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RADIO TECHNICIAN 1

GENERAL

This is a recruitment, training and junior working level. Initially the incumbent assists in the work of senior technicians but as experience is acquired, he/she assumes technical responsibility for most types of repair and maintenance work.

TYPICAL DUTIES

Installs and maintains different types of radio equipment used in radio networks, including base station equipment and portable transceivers installed at field camps and forestry lookout towers.

Installs and services radio mobile equipment in motor vehicles, patrol boats and aircraft.

Performs general overhaul work in radio equipment in the shop when not on field service duties.

Rebuilds or recommends the modification of equipment to improve systems or meet specific requirements not provided for by commercial suppliers.

Climbs forestry lookout towers or standard radio towers of considerable height in the field servicing of radio transceivers and related equipment.

Performs other related duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Thorough knowledge of the theory of radio transmission.

Good working knowledge of AM (Amplitude Modulation), SSB, VHF, (Very High Frequency) and FM (Frequency Modulation) equipment.

Must be prepared to travel extensively in the province.

Education, Training and Experience

Grade XI education, plus a radio technician's course from a recognized radio school

RADIO TECHNICIAN 2

GENERAL

This is a full working level position at a radio repair and maintenance base of the Air Radio Division. The incumbent in this position may supervise, and assist in the work of junior technicians. He/she is technically responsible for carrying out approved programs.

TYPICAL DUTIES

Maintains the communication systems and equipment in his/her care at acceptable levels of efficiency.

Constructs, or directs construction of, equipment not available from usual commercial suppliers.

Carries out schedule of maintenance of radio stations.

Experiments with various types of equipment to ascertain best apparatus for each station.

Apparatus may vary in performance from one location to another, depending on local conditions.

May supervise the work of, or assist junior technicians in solving complex problems.

May be required to assist Radio Technicians in workload and systems planning to maintain the networks at peak efficiency.

Submits accurate and adequate reports.

Performs other related duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

In addition to those required for a Technician 1, he/she must have a good understanding of the reliability and requirements of radio equipment in his/her care.

Thorough knowledge of test devices and techniques used for discovering defects in operating efficiency.

Thorough knowledge of radio construction and able to improvise, when necessary, to maintain equipment in a serviceable condition.

Ability to design, or modify, equipment to meet specific requirements.

Ability to diagnose trouble rapidly and to apply corrective measures.

Education, Training and Experience

Grade XII education, plus a radio technician's course at a recognized radio school, and at least two years' experience as a Technician 1.

RADIO TECHNICIAN 3

GENERAL

This is a senior technician position at a radio repair and maintenance base of the Air Radio Division. The incumbent in this position supervises the work of all junior radio technicians and is responsible for the overall operation of a radio service depot. He/she is technically responsible for all service maintenance programs. Supervision on matters pertaining to planning, licensing, and administration are received from the Supervisor of Radio.

TYPICAL DUTIES

Operates a radio service depot with a minimum of supervision.

Maintains communication system and equipment at acceptable levels of efficiency.

Constructs, or directs construction of equipment not available from usual commercial suppliers.

Carries out a maintenance schedule of radio stations used by government departments.

Examines and tests various types of equipment to determine the most suitable apparatus for each station. Apparatus may vary in performance from one location to another depending on local conditions.

Assigns and supervises the work of junior technicians.

Sets a maintenance and inspection schedule of radio facilities in a region.

Consults with regional technicians and assesses problems at the local level.

Checks work orders for accuracy and submits reports to the Administrative Section.

Performs other related duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Thorough knowledge of the theory of radio.

Thorough knowledge of radio equipment and radio systems operated by the Radio Division.

Ability to assign work schedules and supervise the work of junior technicians.

Ability to diagnose problems at the local level and correct on report findings to the Supervisor of Radio.

Ability to prepare clear and concise reports.

Education, Training and Experience

High school graduation with successful completion of a radio technician course at a recognized school with four years' related experience including supervisory experience.