



# *Provincial Job Description*

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***TITLE:***  
**(234) Network Technician &  
Maintenance Operator**

***PAY BAND:***  
**13**

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***FOR FACILITY USE:***

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***SUMMARY OF DUTIES:***

Designs, installs and maintains region network/cabling infrastructures. Operates and monitors computerized building control systems and maintains facility/plant systems and equipment. Independently performs major repairs/installations on a wide variety of complex building systems and equipment.

***QUALIFICATIONS:***

- ◆ Building Systems Technician certificate
  - ◆ 5th Class Power Engineering certificate, where required by the job

***KNOWLEDGE, SKILLS & ABILITIES:***

- ◆ Intermediate computer skills
- ◆ Ability to work independently
- ◆ Knowledge of tools and equipment
- ◆ Communication skills
- ◆ Organizational skills
- ◆ Interpersonal skills
- ◆ Valid driver's license

***EXPERIENCE:***

- ◆ **Previous:** No previous experience.

## ***KEY ACTIVITIES:***

### **A. Designing / Installation of Cabling Infrastructure**

- ◆ Designs computer cabling infrastructures for region facilities.
- ◆ Coordinates network installations for region buildings.
- ◆ Installs backbone, horizontal and vertical lines as per TIA-EIA standards.
- ◆ Installs hubs, routers, switches, bridges, patch panels and outlets as per TIA-EIA standards.
- ◆ Makes patch cords and service loops.
- ◆ Labels equipment and lines according to standards.
- ◆ Tests and maintains network systems using the appropriate cable analyzers and optical time domain reflectometers to ensure compliance with standards.
- ◆ Troubleshoots network problems.
- ◆ Determines and purchases network supplies.
- ◆ Liaises with contractors.
- ◆ Maintains region records and inventory for network line locations and equipment.
- ◆ Programs fire panels, detectors and pull stations.
- ◆ Installs, terminates and certifies structured cabling systems.

### **B. Building / Plant Systems**

- ◆ Operates and monitors computerized building control systems.
- ◆ Operates, services and maintains plant systems (e.g., boilers up to 5<sup>th</sup> Class), chillers, HVAC and associated equipment.
- ◆ Monitors critical alarm systems.
- ◆ Monitors and maintains facility systems (e.g., fire, call, security, emergency power, pneumatic and electronic systems).

### **C. Equipment / Systems Maintenance**

- ◆ Independently performs complex repairs/installations other than those requiring a plumbing or electrical permit.
- ◆ Repairs and maintains patient equipment (e.g., beds, wheelchairs).
- ◆ Repairs and maintains mechanical equipment (e.g., pumps, fans, motors, boilers and associated equipment, kitchen/laundry/housekeeping equipment).
- ◆ Repairs and maintains grounds equipment (e.g., lawnmowers, snow blowers).
- ◆ Repairs and maintains air-conditioning equipment.
- ◆ Repairs and maintains mechanical medical gas systems, centrifuges, fume hoods.
- ◆ Performs welding and fabricating.
- ◆ Performs electrical and plumbing repairs within Code requirements.
- ◆ Performs carpentry repairs, painting and drywalling.

**D. Preventative Maintenance**

- ◆ Performs preventative maintenance on all equipment, apparatus and facility infrastructure.
- ◆ Maintains maintenance logs and records.
- ◆ Enters and retrieves information from computerized maintenance systems.

**E. Construction / Renovation**

- ◆ Leads projects and acts as a liaison with contractors.
- ◆ Installs/assists with facility/equipment upgrades and enhancements (e.g., electrical, mechanical, plumbing, carpentry, flooring, painting and cabling).

**F. Related Key Work Activities**

- ◆ Maintains grounds and removes waste, where required by the job.
- ◆ Provides security services (e.g., entrances, parking lot checks, scanners, monitors, fire drills).
- ◆ Installs and maintains signage.
- ◆ Assembles equipment.
- ◆ Maintains inventory and supplies.
- ◆ Provides occasional guidance to the primary function of others, including training.
- ◆ Processes work orders, maintains documentation and records.
- ◆ Ensures all work complies with CSA Infection Control Standards.

*The above statements reflect the general details considered necessary to describe the principal functions of the job and shall not be construed as a detailed description of all related work assignments that may be inherent to the job.*

*Validating Signatures:*

*CUPE:*

*SEIU:*

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*SGEU:*

*SAHO:*

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*Date: June 05, 2013*