

CITY OF HAMILTON

September 2021

PUBLIC WORKS DEPARTMENT

(TRANSIT DIVISION – LOCATION – MOUNTAIN TRANSIT CENTRE, 2200 UPPER JAMES ST.)

TRANSIT ON BOARD SYSTEMS TECHNICIAN – ATU 107

SUMMARY OF DUTIES

Reports to the Electrical Foreperson and is responsible for performing basic to complex electronic equipment testing and repairs in both onboard and off board environments. Including but not limited to; radios, cameras, fare collection, Smart Card Devices (Presto), AVL equipment, etc. to ensure bus availability.

GENERAL DUTIES

Responsible for the diagnosis and repair of on-board radio, cameras, fare collection, Presto devices, APC (Automatic Passenger Counting), and AVL (Automated Vehicle Location) equipment, trouble shooting and low-level component repairs.

Responsible for fleet related network and Wi-Fi connectivity and escalating appropriately when required.

Assists the Foreperson to coordinate activities with vendors/contractors and Service Centre's to ensure all devices are functional and up to date.

Ability to develop, maintain and operate test equipment by applying principles and theories of electronics and electrical circuitry.

Search for substitute parts for out-of-stock or out-of-production replacement parts, and check the specifications, and compatibility, of substitute parts.

Working with the Foreperson to develop structure problem solving plans to test for potential problems and develop solutions pro-actively.

Assist the Foreperson in developing a system wide preventative maintenance program and carries out preventative maintenance work against established schedules.

Ensure stable and smooth implementation of changes and/or repairs to minimize downtime.

Identifying work and following up on work contracted to the vendor.

Ensure that inventory and records are complete and accurate.

Ensure troubleshooting instructions are documented for future reference

Input and retrieve equipment repair information from Fleet maintenance system.

Liaise with internal staff at various level and share information appropriately

In conjunction with the Foreperson, participate in weekly third-party contractor meetings, organize with third party contractors the scheduling of equipment or software upgrades and organize with third party contractors the high-level repair requirements of on board equipment.

Complete other routine forms, work orders, records or reports, including minor written reports on work inspected.

Performs other similar and related duties as assigned.

QUALIFICATIONS

1. Graduation from a recognized post secondary program in electronics with demonstrated related experience in the field would be an asset
2. Ability to read schematic diagrams and follow technical instructions.
3. Demonstrated experience in a computerized network environment. Working knowledge of Microsoft Office Suit (Excel, Word, and Access), and basic troubleshooting of network Wi-Fi connectivity.
4. Knowledge of Avantis, Trapeze, related database applications, would be an asset.
5. Demonstrated ability to organize and prioritize work orders and preventative maintenance schedules.
6. Previous experience with radio communication systems and bus video system equipment would be considered an asset.
7. Demonstrated ability to co-ordinate work with third party contractors and measure the quality of work performed.
8. The ability to acquire and maintain a Class "CZ" drivers license.

THE INCUMBENT SHALL COMPLY WITH ALL HEALTH AND SAFETY POLICIES AND PRACTICES FOR THIS POSITION AND THE WORKPLACE.
