

# POSITION DESCRIPTION



## SENIOR TECHNICIAN SYSTEMS

Position No.	MEL2220
Vacancy Type	Internal & External
Classification	PSI 6
Salary	As per MEL Salary Scale
Employment Type	Permanent position
How to Apply	<p>Online applications are preferred. For online application and downloading Application Form, please visit: <a href="https://www.mauritiusmetroexpress.mu/job-vacancies/">https://www.mauritiusmetroexpress.mu/job-vacancies/</a></p> <p>Via email: Applications together with scanned copies of academic qualifications can also be emailed to: - <a href="mailto:career@metroexpressltd.org">career@metroexpressltd.org</a></p> <p>Via post: Applications together with scanned copies of academic qualifications can also be addressed to: - <b>Human Resources Manager</b> Metro Express Limited, Level 3, SICOM Tower, Wall Street, Ebène 72201</p> <p>The envelope or the title of the email should be clearly marked "Senior Technician Systems".</p>

Position deadline	<b>Wednesday 05 October 2022</b> Application made without completed MEL Application Form and received after the closing date will not be considered.
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**Job Title:**  
Senior Technician, Systems

**Reporting Line:**  
Manager, Systems

**Function/Division:**  
Operations & Maintenance

**Location:** Ebene/Richelieu

### Overview of Metro Systems

Metro Systems consist of Signalling, Control & Monitoring, Communication and Fare Systems. The Signalling system consists of traffic lights and point systems for the railway, used for moving trains around the railway network. The use of advanced diagnosis tools for Control & Monitoring provides a degree of systems' automation and receive data from sensors, user inputs, and other pre-programmed procedures. Fare Systems include ticket vending machines also known as Added-Value Vending Machine. Communication over railway mainline and OCC is done over TETRA Radio.

**Qualifications:**

- (i) Possess a Diploma in Electrical/ Electronics or Communication Engineering from a recognised University or an equivalent qualification acceptable to the Board of MEL;

**Attributes:**

- a) Team player and willing to perform work to the required quality standards with a willingness to adhere to strict safety protocols.
- b) Possesses at least 2 years' experience and proven track records as Senior technician and in similar field.
- c) Excellent Electrical and Electronics installation and troubleshooting is required.
- d) Excellent networking installation and troubleshooting skills on Cisco and/or Allied Telesis equipment would be an advantage
- e) Knowledge of Mechanical installation and troubleshooting would be an advantage
- f) Knowledge of Telecommunication and/or TETRA installation and troubleshooting would be an advantage
- g) Knowledge of Fibre optics installation and troubleshooting would be an advantage
- h) Knowledge of CCTV, iPBX, Boom Barriers, Automatic Gate, Emergency Access Control (EACS), Passenger Information Display/Kiosk (PID/PIK) LED systems, Passenger Announcement Systems (PAS) Audio systems and UPS installation and troubleshooting would be an advantage
- i) Knowledge of Traffic Light Systems installation and troubleshooting would be an advantage
- j) Knowledge of Railway Signalling Systems installation and troubleshooting would be an advantage
- k) Knowledge of Fare systems, Ticket Vending Machine installation and troubleshooting would be an advantage.
- l) Required to perform shift duties including weekends and public holidays.

Successful candidates will undergo a structured training program to equip with the knowledge and skills to perform the duties ascribed.

The incumbent shall be working under the **Systems Department** for the maintenance of **Signalling System, Communications System and/or Fare Equipment**. The duties and responsibilities include but not limited to:

1. Perform Preventive Maintenance (PM), Corrective Maintenance (CM) works under the Systems Group;
2. Attend to Signalling System, Communications System or Fare Equipment faults;
3. Raise work orders, perform, review and close the work orders;
4. Record all faults found during PM and raise CM work order for follow-up actions;
5. Drive company vehicle, where required and possess a valid manual driving licence;
6. Installation, maintenance, and commissioning, of railway systems equipment.
7. Fault-finding, repairing and adjustment of mechanical, electrical and electronics signalling equipment, including protected level crossings, Fare Systems, ETS and Communication & Monitoring Systems, C&M equipment.
8. Providing infrastructure support on Signalling, Fare Systems and Communication & Monitoring systems for planned and emergency maintenance activities.
9. Ensure all work is performed in accordance with Workplace Health and Safety (WH&S) requirements and legislative policies including work activities performed by subordinate employees.
10. Report on actual work performed against the scheduled work program and report any equipment performance and condition irregularities.
11. Progress the implementation and application of work procedures, instructions, and practices in pursuit of ensuring continuous quality improvement.
12. Undertake all tasks and activities in a safe manner in accordance with relevant Safety Management Strategy, SMS.
13. Undertake any other related maintenance tasks/functions that are assigned by the Team Leader; and
14. To perform such other duties related to the main duties listed above or related to the roles ascribed to him.

**MEL reserves the right not to fill any vacancy following this advertisement and to call for interview only the best qualified candidate.**