

Position Description



Position Title	Senior Electrical Engineer
Position No	00068017
Delegation Level	007
Job Designation	Engineer Electrical
Organisational Unit	Rollingstock Specialist Engineering SEQ Assets
Work Centre	Mayne
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Team Member - PPR
Shiftworker	No
Classification (Range)	PT4 .1 - PT4 .4
Pay Scale Type	ASPT
Reports to Position	Principal Elect Engr Traction & Ctrl Sys

QUEENSLAND RAIL VALUES:

- 1 Queensland Rail - We do better together
- Treat others with respect - We appreciate everyone's contributions and differences
- Empower our people - We have confidence in our people
- Act Safely - We work safe, to go home safe
- Make a positive difference - We learn from today, to improve tomorrow

Position Purpose

This role is primarily responsible for providing senior level technical support and rollingstock safety and operational advice to Rollingstock Maintenance and other stakeholders for the operation and maintenance of electrical and electronic equipment fitted..

The position focuses on improved safety and performance to ensure rollingstock availability, reliability and cost effectiveness.

Position Responsibilities

1. Provide expert technical advice and support for the management and operation of the Queensland Rail rolling stock fleet.
2. Develop scopes of work, specifications, instructions and other documents to the required standards for the acquisition or modification of the Queensland Rail rolling stock or associated equipment.
3. Provide technical management of rolling stock projects.
4. Audit rolling stock, carry out investigations and make recommendations on the compliance of rolling stock against Queensland Rail specifications, standards and relevant legislation.
5. Develop scopes of work, specifications, instructions, design drawings and other documents to the required standards in relation to rollingstock component reliability while reducing maintenance costs.
6. Determine and set standards and requirements for the design, maintenance and overhaul of electrical equipment on the Queensland Rail rolling stock fleet.
7. Be familiar with and understand the principles and practices of Queensland Rail standards, relevant legislation and acts, and Queensland Rail business requirements to ensure technical compliance and assurance of rolling stock projects.

Position Description



- Investigate new technologies to enhance the safety and reliability of the Queensland Rail rolling stock fleet.

Additional Factors

The appointee will be required to :-

- Comply with Queensland Rail's Code of Conduct;
- Observe all legal and safety obligations of the organisation;

What is the key selection criteria

- High level of skill in an electric passenger rollingstock maintenance environment.
- High level of skill in carrying out rollingstock fault-finding investigations and providing technical support and advice to relevant stakeholders.
- High level of skill in developing and continuously improving electrical systems, strategies, scopes of work and modifications to improve rollingstock performance, reliability, safety and cost.
- High level of skill in formulating procedures and introducing new technologies for the purchase of new equipment and maintenance of existing equipment.
- High level of skill in leading, mentoring and training personnel in the theory and maintenance of electrical machines.
- High level of communication, consultation, negotiation and engagement skills with a range of internal and external stakeholders and suppliers.
- Knowledge of and willingness to commit to and work within Queensland Rail's Values and Behaviours.

Pre-employment Checks:

Not Applicable

Pre-employment Qualifications:

What qualifications do I need to hold prior to applying for the position?:

Possession of formal qualifications in engineering is required. A post graduate qualification in an appropriate discipline would also be highly desirable. It is acknowledged that enhanced performance can result from other learning experiences which include on-the-job training, structured professional development and/or other life experiences.

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Health, Safety and Environment Responsibilities

Comply with the overarching document called Health, Safety and Environment Responsibilities MD-11-6843 located in the Safety and Environment Management System.

Personal Protective Equipment needs:

Refer to relevant business instructions.

Safety Publications

Refer to relevant business instructions.

Please Note:

Queensland Rail has a random alcohol and other drug testing program.
Testing can occur anywhere, at any time, on any day.