

Position Description



Position Title	Electrical Engineer
Position No	00087655
Delegation Level	007
Job Designation	Engineering Officer
Organisational Unit	Maintenance 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/Tech Prof
Shiftworker	No
Classification (Range)	PT3 .1 - PT3 .3
Pay Scale Type	ASPT
Reports to Position	Principal Electrical Engineer

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 performing electrical engineering functions to improve the safety and performance of rollingstock to ensure rollingstock availability, reliability and cost effectiveness of Queensland Rail's rollingstock fleet.

Position Responsibilities

1. Provide technical assistance and advice to Rollingstock Maintenance.
2. Complete engineering investigations to improve the reliability and performance of rollingstock and associated equipment by monitoring rollingstock performance, developing investigation plans and completing tests, analysing data and making recommendations.
3. Develop scopes of work, specifications, instructions, design drawings and other documents to the required standards in relation to rollingstock and plant maintenance.
4. Investigate, test and verify new component operation and processes on rolling stock.
5. Manage safety, reliability and cost improvement projects in relation to rollingstock modifications, rollingstock overhauls and general maintenance.
6. Liaise with technical and trade staff, Queensland Rail staff and contractors regarding rollingstock maintenance support, procurement activities and day of operation issues.
7. Conduct quality audits on rollingstock maintenance procedures and practices in accordance with established standards.
8. Provide technical support to servicing facilities and evaluate the suitability of equipment and work practices used in relevant depots.

Additional Factors

The appointee will be required to :-

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- Comply with Queensland Rail's Code of Conduct;
- Observe all legal and safety obligations of the organisation;
- Attend further training as directed;
- Be available to travel away from home station as required;
- Undergo annual performance appraisal.

What is the key selection criteria

1. Knowledge of the technical operation, maintenance requirements, servicing and repair of passenger rollingstock and associated equipment.
2. High level of skill in the implementation of quality improvement principles in relation to rollingstock reliability and performance improvement.
3. Substantial skill in undertaking technical investigations, rollingstock tests, problem solving, component failure analysis, trial modifications and preparation of technical reports.
4. Substantial skill in developing maintenance systems, strategies, scopes of work and modifications to improve rollingstock performance.
5. Substantial interpersonal, written and oral communication and training skills in a self driven environment.
6. Sound skill in the use of PC and mainframe based applications which can be used in the rollingstock maintenance field.
7. 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?:

20100220 Bach Eng - Elec

Mandatory Qualifications (If not already held, I will gain these when in position)

40007588 Wunya Induction
30000908 Safely Access the Rail Corridor (QNRP)
40006426 Apply Fatigue Management Strategies
40001627 Building Emergency Procedures
40003802 Provide CPR 12 Mths
40008876 Working in the Electrified Territory
40003357 Low Voltage Rescue (12 Mths)
40008657 NHS Cat 3 ATTP

Enterprise Qualifications (If not already held, I will gain these when in position)

40009601 Code of Conduct Refresher
40013480 Fraud Awareness Induction
40012863 Mayne Rail Complex Induction
40007902 CRM Lockout Mayne Electric Train Shed

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.

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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.