

# Position Description



Position Title	<b>Electrical Engineer</b>
Position No	00076901
Delegation Level	007
Job Designation	Engineering Officer
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/Tech Prof
Shiftworker	No
Classification (Range)	PT3 .1 - PT3 .3
Pay Scale Type	ASPT
Reports to Position	Principal Electrical Design 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.

## Position Responsibilities

1. Provide technical assistance and advice to Rollingstock Maintenance.
2. Monitor rollingstock performance, carry out tests, analyse and make recommendations to improve the reliability and performance of rollingstock and associated equipment.
3. Conduct quality audits on rollingstock maintenance procedures and practices in accordance with established standards.
4. Develop scopes of work, specifications, instructions, design drawings and other documents to the required standards in relation to rollingstock maintenance.
5. Monitor the performance of servicing facilities and evaluate the suitability of equipment and work practices used in relevant depots.
6. Manage safety, reliability and cost improvement projects in relation to rollingstock modifications, upgrades and general maintenance.
7. Liaise with technical and trade staff and other Queensland Rail staff and contractors regarding rollingstock maintenance issues.
8. Use the existing corporate maintenance management system and any other required PC based system to produce performance reports.

## 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;  
- Attend further training as directed;  
- Be available to travel away from home station as required;

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- 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, 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

## **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:**

Head and Face protection  
Eye Protection  
Hearing Protection  
High Visibility Clothing  
Safety Footwear

## **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.