

# Position Description



|                          |                                                      |
|--------------------------|------------------------------------------------------|
| Position Title           | <b>Principal Traction Maintenance Engineer</b>       |
| Position No              | 00075169                                             |
| Delegation Level         | 006                                                  |
| Job Designation          | Engineering Officer                                  |
| Organisational Unit      | Traction Power Operational Engineering<br>SEQ Assets |
| Work Centre              | Brisbane                                             |
| 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)   | PT5 .1 - PT5 .4                                      |
| Pay Scale Type           | ASPT                                                 |
| Reports to Position      | Mgr Traction Power Operational Engr                  |

## 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

Lead the provision of expert technical support and safety advice for all stakeholders in the operation, use and maintenance of the Traction Overhead System. Provide an asset and process audit/inspection regime that will indicate compliance (or otherwise) with Queensland Rail standards and result in an asset investment and development plan.

## Position Responsibilities

1. Lead and provide effective technical support for maintenance and operational services for traction power equipment and systems. This will include technical support to stakeholders external to Network SEQ where they interface with Network SEQ activities.
2. Interpret Queensland Rail standards and established Traction Operating Procedures instructions to mandate a framework for compliance.
3. Lead inter/intra group work activities and minor design. This will include work approval/acceptance of construction and repair activities on behalf of SMTP.
4. Provide safety advice with regards to work activities near 25/50kV Trackside Power equipment.
5. Develop, implement and maintain a technical and safety auditing and inspections program. This will include asset and process inspections/audits.
6. Investigate and track faults/incidences. This includes track recording car, fault recording and maintenance scheduling information and electrical incidences.
7. Assess the need for investment in the traction network and provide investment strategies and submissions in conjunction with the other parts of Queensland Rail.
8. Perform and/or supervise electrical testing, modifications and

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electrical work.

9. Mentor and coach engineers to maximise team performance by providing feedback, advice, encouragement, training and professional development.

## **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;
- Travel intra and interstate as required;
- Attend further training as required.
- Be available for standby, call-out duties, overtime and relief as required;
- Be prepared to undertake further training as required;
- Operate in an autonomous manner within policy guidelines by exercising initiative and independent judgement with broad direction given by the Manager Traction Power Operational Engineering.

The appointee may be required to:-

- Relieve in the position of Manager Traction Power Operational Engineering.

## **What is the key selection criteria**

1. Extensive knowledge in relation to maintenance and operation of high voltage electrical traction fixed equipment and associated assets.
2. Extensive knowledge of Queensland Rail standards and Traction Power procedures/Divisional instructions for the provision of Traction Power Systems maintenance and operations.
3. High level of skill in auditing, quality improvement, and risk analysis techniques.
4. High level of skill in investigating traction power incidents.
5. High interpersonal, communication, and negotiation skills.
6. High level of skill in the leadership of technical staff to achieve organisational goals in the provision of quality asset management services.
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?:**

20100204 Prof Eng (Qld) Registered

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

Hand Protection

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High Visibility Clothing  
Safety Footwear  
Sunscreen SPF 15+

## **Safety Publications**

QR Electrification Safety Booklet  
QR Weekly Notice  
Your Health (Newsletter)  
C.E.O.'s Safety Statement  
C.E.O.'s General Safety Rules

### **Please Note:**

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