

# Position Description



Position Title	<b>Senior Traction Power Engineer</b>
Position No	00070085
Delegation Level	006
Job Designation	Technical Officer
Organisational Unit	Traction Power Operational Engineering 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)	PT4 .1 - PT4 .4
Pay Scale Type	ASPT
Reports to Position	Principal Traction Maintenance 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

Provide technical and safety assurance for the construction, operation and maintenance of the traction overhead system, ensuring compliance with Queensland Rail standards and specifications. Support the integrity and reliability of the traction infrastructure, particularly during the construction phase.

## Position Responsibilities

1. Communicate with staff, management and customers to provide technical support and electrical safety advice for day-to-day construction, maintenance, and operational activities.
2. Investigate fault scenarios and lead engineering sign-off, including participation in on-call duties, ensuring compliance with safety and quality principles.
3. Monitor and report on traction equipment performance, and recommend maintenance and operational strategies to improve reliability.
4. Deliver first and second line assurance for traction power maintenance activities, ensuring alignment with Queensland Rail standards and safety obligations.
5. Review and audit maintenance techniques, documentation, and technological developments to optimise reliability and support continuous improvement.
6. Assist Principal Engineers in the development, production, and audit of quality maintenance instructions and procedure manuals, including Standard Work Activities.
7. Support the Traction Power Construction team with inspections and commissioning activities, ensuring readiness and compliance with operational requirements.

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## 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;
- Relieve in the position of Principal Traction Maintenance Engineer.

## What is the key selection criteria

1. Extensive level of knowledge of traction distribution design, standards, quality processes and document control practices.
2. Extensive level of knowledge of construction and maintenance activities for traction distribution and traction power systems.
3. Extensive knowledge of traction safeworking principles, testing, commissioning and design alteration.
4. High level of skill in fault investigation, engineering sign-off and operational recovery within traction systems.
5. High level of skill in planning, programming and reporting on maintenance and operational activities.
6. High level of interpersonal, written and oral communication skill, with the ability to lead teams and engage stakeholders across technical and operational environments.
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  
Hand Protection  
High Visibility Clothing  
Safety Footwear  
Sunscreen SPF 15+

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## 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.