

Position Description



Position Title	Signalling Systems Engineering Officer
Position No	00038985
Delegation Level	007
Job Designation	Engineering Officer
Organisational Unit	Signalling Testing & Commissioning SEQ Assets
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Lead Others
Shiftworker	No
Classification (Range)	PT4 .1 - PT4 .4
Pay Scale Type	ASPT
Reports to Position	Team Leader Signalling Reliability

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 support, interface-liaison support and safety advice for all stakeholders regarding the operation, use, maintenance and management of the Signalling System and the associated signalling infrastructure.

Develop asset management strategies to enable the provision of high quality maintenance services.

Review Signalling standards and conduct research which will facilitate the implementation of technology based tools for asset condition monitoring and data capture associated with the Signalling system performance .

Position Responsibilities

1. Provide leadership and technical support for the review and finalisation of Route Cause Analysis (RCA) investigation(s) in accordance with the agreed frame work and timelines.
2. Provide technical support for the creation and review of maintenance standards. Develop and implement standards and strategies which will enable the execution of quality maintenance practices.
3. Perform project management and provide engineering support for multiple small scale construction works, software and Research and Development projects, including the testing and commissioning of these works, and the production of Signalling Alteration forms.
4. Provide effective technical support for SEQ maintenance and operational services for Signalling equipment and systems. This includes technical support to external stakeholders where they interface with Networks SEQ.
5. Track and investigate faults/incidences, this includes Fault

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Recording and Maintenance Scheduling information and electrical incidences on an as required basis.

6. Perform and/or supervise electrical work as part of testing electrical equipment associated with the Signalling System.
7. Research, evaluate and implement technology based tools such as active condition monitoring technology, mobile data capturing, equipment and diagnostic tools which will enhance the maintenance performance and the signalling system reliability.
8. Liaise with other divisions of Network SEQ on strategic maintenance planning matters and provide whole-of-life-cycle analysis data and recommendations for capital investment in the signalling area that will reduce maintenance costs and/or improve asset performance.

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;

The appointee will be required to:-

- Be available to travel intra and interstate as required;
- Be available for call-out duties as rostered, and overtime outside normal working hours;
- Undertake further training considered necessary for the effective performance of duties associated with this position;
- Operate in a semi-autonomous manner under direction given by the Signalling Reliability Engineering Manager;
- The appointee may be required to relieve in the position of Signalling Reliability Engineering Manager;
- Observe all legal and safety obligations of the organisation.

What is the key selection criteria

1. Extensive knowledge of Signalling Systems and equipment and the applicable Queensland Rail/maintenance standards and the Network SEQ procedures, processes and the Divisional instructions.
2. Extensive knowledge of Signalling Safe-working Principles, practices and procedures including testing and commissioning procedures of safety Critical signalling system.
3. Substantial level of skill in auditing, quality improvement, and Root Cause Analysis (RCA) and risk analysis techniques.
4. Substantial skill in managing projects and research activities.
5. Substantial level of technical and operational skill in investigating Signalling incidents.
6. Substantial interpersonal, communication, and negotiation skills.
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?:

The occupant must hold one of the following:

30000575 Adv Dip Eng (Computer Sys)

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

Competent to carryout testing of Electrical Equipment as used within

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QR's Signalling Systems.

40007588 All Aboard
30000912 Communications (QNRP)
30000908 Safely Access the Rail Corridor (QNRP)
40001627 Building Emergency Procedures
40003802 Provide CPR 12 Mths
40010410 Safety Comes First Always Workshop
40009729 Delivering a Pre-Start Briefing Network
40008876 Working in the Electrified Territory
40003357 Low Voltage Rescue (12 Mths)
40008657 NHS Cat 3 ATTP
40009807 G_Working Safely in the Construction Ind

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

40009601 Code of Conduct Refresher
09910159 TLIF2010A Apply fatigue management strat

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+

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.