

Position Description



Position Title	Principal Signal Design Engineer (Operational Works)
Position No	00088293
Delegation Level	007
Job Designation	Engineer (Sig & Tele)
Organisational Unit	Signalling Design SEQ Assets
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	No
Medical Fitness Standard	Refer to relevant business instructions.
Performance Plan Type	Team Member/Tech Prof
Shiftworker	No
Classification (Range)	PT5 .1 - PT5 .4
Pay Scale Type	ASPT
Reports to Position	Team Leader Signalling Design

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 expert engineering services with a focus on developing, verifying and certifying signal design solutions to maintain and optimise network asset performance across Queensland Rail's Network Assets.

Position Responsibilities

1. Verify and certify as a professional engineer, signal engineering works including complex signalling designs, control tables, signalling arrangements and bonding plans ensuring compliance with safety, operational and environmental legislation, regulations and practices.
2. Provide signal design expertise in the development and review of the scope and technical requirements for signalling asset improvements requested by asset stakeholders.
3. Apply expert engineering judgement in the assessment of signal design changes to ensure efficient fit for purpose design processes and solutions.
4. Lead and develop engineering professionals in project-based teams to ensure delivery of safe, effective and commercially valuable signal engineering solutions across Queensland Rail.
5. Maximise commercial outcomes for Queensland Rail by coaching and supporting teams to effectively manage stakeholder relations and to communicate (verbal and written) with positive impact.
6. Contribute to the development and implementation of new processes and standards for the team.

Position Description



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;

What is the key selection criteria

1. High level of skill in leading and developing a team of professional engineers and technical officers.
2. High level of skill in the delivery of business focused technical signal engineering solutions that deliver commercial value in at least one area of signal engineering practice: design, analysis and evaluation, asset management, infrastructure maintenance, construction and supervision, inspection/assessment/ auditing, commissioning and research and development.
3. High level of skill in meeting statutory, regulatory and policy obligations, particularly in relation to satisfy the safety, environment, contract processes and human resource requirements in a commercially focused business.
4. High level of skill in exercising professional engineering judgement in the assessment and justification of Safe So Far is Reasonably Practical for signal design solutions.
5. High level of skills in coaching individuals and teams in maximising commercial outcomes through relationship management and communication (verbal and written).
6. High level of skill in delivering commercial advantage and outcomes through business improvements, technology development and innovation.
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
40010530 G_Bach Eng (Electrical/Electronic)

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.

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.