

Position Description



Position Title	Principal Signal Engineer
Position No	00075810
Delegation Level	006
Job Designation	Engineer (Sig & Tele)
Organisational Unit	Signalling Principles, Stds & Capability SEQ Assets
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Tech Professional Expert
Shiftworker	No
Classification (Range)	PT5 .1 - PT5 .4
Pay Scale Type	ASPT
Reports to Position	Manager Signalling Systems and Assurance

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 signalling engineering services to deliver quality, commercially focused outcomes across Queensland Rail, with a primary focus on managing and undertaking the Type Approval and assurance of signalling systems. This includes the development and oversight of equipment trial plans, monitoring of trial performance, supporting business readiness activities for new and novel products (including standards, specifications and risk assessments), and providing expert advice on the application of the SFAIRP principle to railway signalling systems.

Position Responsibilities

1. Lead and develop engineering professionals in project-based teams to ensure delivery of effective and commercially valuable signal engineering solutions across Queensland Rail.
2. Provide expert signal engineering services to complete projects against specified Key Performance Indicators (KPI), taking into account scope, quality and safety considerations and allocated budgets and timeframe to deliver valuable commercial outcome.
3. 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.
4. Manage client acceptance of safety application conditions and hazards relevant to systems, products and equipment (hardware and software) across the entire systems engineering lifecycle.
5. Ensure each project team demonstrates professional integrity and good business approach to signal engineering products delivered to meet operational requirements and deliver valuable commercial outcomes.
6. Certify, as a professional engineer, signal engineering works and monitor and manage compliance of the team with the requirements of

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professional practice and/or the Quality Management System to provide consistent output of signal engineering services, ensure compliance with safety, operational and environmental legislation, regulations and practices.

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/ professional 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 skills in coaching individuals and teams in maximising commercial outcomes through relationship management and communication (verbal and written).
4. High level of skills in coaching and leading multi-disciplinary project teams to deliver sustainable commercial outcomes within a complex regulatory environment.
5. High level of skill in delivering commercial advantage and outcomes through business improvements, technology development and innovation.
6. 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.
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.

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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.