

# Position Description



Position Title	<b>Signalling Systems Assurance Lead</b>
Position No	00085493
Delegation Level	005
Job Designation	Engineer (Sig & Tele)
Organisational Unit	Signalling Principles, Stds & Capability SEQ Assets
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	No
Medical Fitness Standard	Refer to relevant business instructions.
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 systems engineering services to deliver quality, commercially focused outcomes across Queensland Rail. Including the management and/or undertaking of Systems Assurance activities for Signalling Engineering projects.

## Position Responsibilities

1. Lead and develop engineering professionals in project-based teams in the application of Systems Safety Engineering to Signalling Safety Assurance to deliver effective and commercially valuable signal engineering solutions across Queensland Rail.
2. Provide expert engineering services to complete projects including development of assurance plans to scope and specify activities related to Safety Assurance of Railway Signalling Systems including the configuration of Electrical, Electronic and Programmable Electronic Systems.
3. Undertake audits, review systems engineering management plans and safety evidence submissions to assure the safety and performance outcomes of externally delivered Railway Signalling Projects.
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. Provide advice related to Safety Systems Engineering and relevant Railway Safety Assurance standards, safety cases and Independent Safety Assessor (ISA) Activities.
6. Facilitate formal Safety Systems Engineering risk assessments; and assessment of safe So Far As Is Reasonably Practical (SFAIRP) as it applies to Railway Signalling Systems;
7. Undertake Type Approval of Safety Critical Signalling equipment.

# 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/ professional engineering solutions in a safety system engineering role.
3. High level of skill in meeting statutory, regulatory and policy obligations, particularly in relation the safety and performance requirements in a commercially focused business.
4. High level of skill in the practical application of safety systems engineering standards either in the rail industry or in a similar context.
5. High level of skill in the facilitation of hazard identification and analysis activities, systematic and functional risk management, safety-case development, and application of the SFAIRP principle.
6. Substantial level of skill in communication, interpersonal and negotiation skills including relationship management and problem solving with multiple diverse and often complex stakeholders; and
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?:**

40010530 G\_Bach Eng (Electrical/Electronic)

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

40007588 All Aboard  
40001627 Building Emergency Procedures  
20100204 Prof Eng (Qld) Registered

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

40009601 Code of Conduct Refresher  
40006537 Rail Safety Awareness  
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:**

Refer to relevant business instructions.

# Position Description



## **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.