

Position Description



Position Title	Discipline Head Systems Engineering
Position No	00079403
Delegation Level	004
Job Designation	Manager
Organisational Unit	Discipline Heads
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	No
Medical Fitness Standard	Refer to relevant business instructions.
Performance Plan Type	Lead Experts and Leaders
Shiftworker	No
Classification (Range)	Contract
Pay Scale Type	Contract
Reports to Position	Chief 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

To be the custodian and lead development and approval of system engineering standards, and technical specifications including overseeing operational alignment to standards and review/endorsement of any deviation from defined standards.

Position Responsibilities

1. Act as an authority for Systems Engineering and Assurance, Software Engineering and System and Software Safety Engineering standards and specifications.
2. Maintain and expand the Systems Engineering framework and approach to asset management and life cycle and ensure that all engineering standards are cohesive.
3. Provide advice to projects and to Queensland Rail on System Engineering matters and plans.
4. Audit the delivery of System Engineering plans.
5. Determine the competencies of Systems Engineers, RAMS Engineers, Independent Safety Assessor & Auditors and Independent Certifier experts.
6. Ensure Queensland Rail is represented in major change through governance arrangements such as the Railway Change Control Panel (RCCP).
7. Coordinate System Engineering activity across Major Projects, Strategic Projects and broadly across the Queensland Rail business (SEQ and Regional) through a community-of-practice.
8. Monitor national and international developments, including new and updated System Engineering standards and drive benefit within Queensland Rail through standards setting and influence.

Additional Factors

The appointee will be required to :-

Position Description



- Comply with Queensland Rail's Code of Conduct;
- Observe all legal and safety obligations of the organisation;

What is the key selection criteria

1. Extensive knowledge of relevant Legislation, regulatory requirements, contemporary practices and issues related to the systems engineering discipline.
2. Extensive knowledge of railway transport operations, asset management principles and operations, systems engineering and industry standards and associated rail safety standards and software.
3. High level of skill in providing leadership and direction to establish and implement effective asset governance systems and processes within a dynamic customer orientated, commercial business.
4. High level of skill in research and analysis for the purpose of developing engineering standards.
5. High level of influencing, interpersonal, consultation, relationship building and negotiation skills that build and sustain productive relationships and partnerships.
6. High level of written and oral communication skills, including writing reports, policy submissions and correspondence.
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?:

20100190 Bachelor of Engineering

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.