

Position Description



Position Title	Principal Mechanical Design Engineer
Position No	00085245
Delegation Level	005
Job Designation	Engineer Electrical
Organisational Unit	Rollingstock Specialist Engineering SEQ Assets
Work Centre	Mayne
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Lead Others
Shiftworker	No
Classification (Range)	PT5 .1 - PT5 .4
Pay Scale Type	ASPT
Reports to Position	Manager Rollingstock Design Engineering

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 manage projects and provide technical advice associated with the design, acquisition, modification and operation of passenger rollingstock for Queensland Rail.

Position Responsibilities

1. Manage projects on behalf of Business Groups for the design of passenger rollingstock and sub-systems and projects for conversion or modification of existing rollingstock to achieve satisfied and loyal clients.
2. Develop technical standards and specifications and other design documentation for passenger rollingstock and associated equipment to ensure performance, operational and minimum safety requirements are fulfilled.
3. Supervise the preparation of design documents for the acquisition of new passenger rollingstock sub systems.
4. Ensure rollingstock or associated equipment acquired under contract meet the agreed terms of the specification and are in accordance with current engineering practice and safety standards.
5. Mentor and coach reporting staff to maximise team performance by providing performance feedback, advice, encouragement, training and professional development.
6. Monitor rollingstock performance, reliability, safety and develop technical standards, procedures, recommended practices and modifications for rollingstock to achieve safe, more economic and more reliable operation.
7. Liaise and provide expert technical advice and assistance to management and Business Groups, particularly in respect of high technology rollingstock performance and their component sub-systems.
8. Assist Rollingstock Engineering team to improve its productivity by

Position Description



assisting with the development and implementation of new procedures and technology, to ensure that a competitive service is offered to clients.

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;
- Attend further training as directed;
- Be available to travel away from home station as required;
- Operate in an autonomous manner within policy guidelines;
- Undergo annual performance appraisal.

What is the key selection criteria

1. High level of skill in the production of rollingstock mechanical design documentation to ensure compliance with the engineering safety standards and specifications appropriate for passenger rollingstock.
2. High level of the skills required to acquire rollingstock systems to meet client requirements.
3. Substantial level of skill in the production reliable and economical passenger rollingstock mechanical designs.
4. Substantial level of skill in reviewing staff performance, setting objectives and identifying appropriate training and development activities.
5. Substantial level of skill in communication and negotiation with internal customers, external suppliers and staff.
6. Substantial level of skill in carrying out engineering investigations and providing technical advice and engineering reports on all aspects of rollingstock.
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
20100230 Bach Eng - Mech

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

40007588 All Aboard
30000908 Safely Access the Rail Corridor (QNRP)
40006426 Apply Fatigue Management Strategies
40001627 Building Emergency Procedures
40008876 Working in the Electrified Territory
40008657 NHS Cat 3 ATTP

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

40009601 Code of Conduct Refresher
40012863 Mayne Rail Complex Induction
40007902 CRM Lockout Mayne Electric Train Shed

Position Description



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.