

Position Description



Position Title	Principal Asset Management Engineer
Position No	00083381
Delegation Level	006
Job Designation	Engineering Officer
Organisational Unit	Asset Performance Regional Assets
Work Centre	Brisbane
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 Asset Performance

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

Lead the asset management engineering activities for all Regional Asset Management teams through the coordination of Root Cause Analysis (RCA) and Failure Modes and Effects Analysis (FMEA); and ensure that the Enterprise Asset Management System (EAMS) is utilised effectively to support risk based decisions for all Regional Assets.

Position Responsibilities

1. Lead and drive quality improvement and management activities for asset management data, ensuring data integrity and fitness for purpose within the Risk Based Decision Framework (RBDF) while adhering to policy, regulatory, and governance requirements.
2. Lead the development and continuous enhancement of Root Cause Analysis (RCA) and Failure Modes and Effects Analysis (FMEA) methodologies to deliver professional engineering services that meet the specific needs of all Regional Asset Management teams.
3. Coordinate and optimize the alignment and continual improvement of Strategic Asset Management Plans (SAMP), Discipline Asset Management Plans (DAMP), and Geographical Asset Management Plans (GAMP). Achieve objectives and meet Key Performance Indicators (KPIs) by considering scope, quality, performance, safety, and allocated budgets and timelines to generate valuable commercial outcomes.
4. Coordinate and provide expert advice to the Regional Asset planning teams on implementing risk-based asset replacement strategies and developing capital plans, ensuring efficient asset lifecycle management.
5. Influence and collaborate with the Enterprise Asset Management System (EAMS) Team and other stakeholders involved in transformation and improvement initiatives to ensure seamless integration and achieve comprehensive regional outcomes.

Position Description



6. Provide professional engineering services to all Regional Asset Management teams, including certification of engineering works, conducting technical investigations, and preparing comprehensive reports on asset safety, condition, and reliability issues.
7. Ensure compliance with safety, operational, and environmental legislation, regulations, and best practices, including adherence to professional standards and the Quality Management System.

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;
- Travel nationally as required;
- Undertake further training as required.

What is the key selection criteria

1. Extensive knowledge of and high level of skill in the creation of asset management strategies.
2. High level of skill in leading and conducting Root Cause Analysis (RCA), Failure Mode and Effects Analysis (FMEA) and whole of life cost benefit analysis.
3. High level of skill in Enterprise Asset Management Systems (EAMS), including SAP based systems.
4. High level of skill in providing professional engineering deliverables that demonstrate commercial value in several of the following fields, specialising in at least one area of engineering practice: design, analysis and evaluation, asset management, infrastructure maintenance, construction and supervision, inspection/assessment/auditing, commissioning, and research and development.
5. High level of skill in evaluating and integrating business processes and innovation to deliver commercial advantage and outcomes.
6. High level of skill in relationship management including negotiating critical outcomes, problem solving and networking with and influencing key stakeholders.
7. 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.

Pre-employment Checks:

Not Applicable

Pre-employment Qualifications:

What qualifications do I need to hold prior to applying for the position?:

40010366 G_Bachelor 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.

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.