

Position Description



Position Title	Principal Integrated Operations Modeller
Position No	00077346
Delegation Level	006
Job Designation	Adviser
Organisational Unit	Strategic Integrated Planning Strategic Integ Ops Planning & Assurance
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	No
Medical Fitness Standard	Refer to relevant business instructions.
Performance Plan Type	Team Member - PPR
Shiftworker	No
Classification (Range)	AS7 .1 - AS7 .4
Pay Scale Type	ASPT
Reports to Position	Manager Strategic Integrated Planning

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

Develop and maintain strategic plans and frameworks related to Queensland Rail's operational service delivery, ensuring alignment with major projects, government policies, and transport strategies. Design, develop, maintain, and execute simulation modelling to assess the impact of operational changes and support long-term planning to meet Queensland Rail's strategic objectives.

Position Responsibilities

1. Develop and execute strategic operational planning initiatives to service strategic and / or corporate planning objectives or inter-agency requests.
2. Leverage the insights from strategic planning and simulation modelling to inform and contribute to Queensland Rail's Vision, Purpose and Strategic and Corporate Plan.
3. Develop, establish and execute project management frameworks and processes, including project schedules and risk management to effectively manage the delivery of the project objectives and milestones.
4. Design, develop, test and execute scalable simulation models that integrate key aspects of rail operations such as services, infrastructure, rollingstock, and workforce, ensuring data-driven decisions support long-term planning.
5. Monitor and support the implementation of project activities of contractors, consultants and internal service providers, ensuring completion to required standards, within programme and budget constraints.
6. Develop and maintain effective relationships with Queensland Rail business units and projects / programs to facilitate strategic, tactical and operational decision making

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and support the delivery of planning objectives.

7. Develop and maintain Strategic Integrated Planning reports for GMs, the ELT and relevant governance forums, and support cross functional discussions at officer and executive level.
8. Support Queensland Rail representatives at relevant government bodies, industry associations and other stakeholder groups to influence direction that supports Queensland Rail's Vision, Purpose and Strategic and Corporate Plan.

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. Extensive knowledge of the development of simulation tools and their application to transport or logistics systems (e.g., AnyLogic, Simio, ARENA, Simply).
2. High-level skill in applying conceptual, analytical, and structured problem-solving techniques for forecasting, modelling, and reporting to support strategic planning.
3. High level of skill in strategic, tactical, and deployment planning across diverse rail operations disciplines.
4. High level of skill in the application of project management methodologies within a multidisciplinary project environment.
5. Substantial knowledge of procurement processes, contract administration, and design requirements associated with project works.
6. Substantial communication and negotiation skills with the ability to maintain strong working relationships with a diverse range of stakeholders.
7. Knowledge of and willingness to commit to and work within Queensland Rail's Values and Behaviours.

Pre-employment Checks:

Not Applicable

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.