

Position Description



Position Title **Senior Network Capability Analyst**

Position No 00058259
Delegation Level 006
Job Designation Analyst
Organisational Unit Network Capability
SEQ Assets
Work Centre Brisbane
Position Type Permanent
Rail Safety Worker No
Medical Fitness Standard Refer to relevant business instructions.
Performance Plan Type Team Member/Tech Prof
Shiftworker No
Classification (Range) AS6 .1 - AS6 .4
Pay Scale Type ASPT
Reports to Position Manager Network Capability

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

Support resilient rail networks through precision modelling and planning, by assessing, managing, and maintaining Queensland Rail's network capability models using advanced simulation and analysis tools. The role ensures resilient and efficient utilisation of network by providing accurate modelling insights that support effective planning, operational performance and strategic decision-making.

Position Responsibilities

1. Develop and maintain network capability models using advanced simulation tools to support forecasting, scenario analysis, and operational planning.
2. Manage and optimise modelling datasets, ensuring accuracy, integrity and availability across Queensland RAILS modelling systems.
3. Analyse train plans to assess network utilisation and identify constraints and opportunities.
4. Provide modelling insights and validated outputs to inform internal stakeholders and influence operational and strategic decisions.
5. Monitor network performance and capability, collaborating with internal stakeholders to understand operational requirements and service impacts.
6. Research and apply best practice capability and capacity methodologies used across the Rail Industry.
7. Support strategic projects such as network upgrades, timetable assessments, traction power evaluations, and future service planning through modelling and analysis.
8. Build and maintain effective relationships with internal stakeholders to ensure modelling outputs meet business needs and support informed decision making.

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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;
- Work outside normal working hours.
- Attend further training as required;
- Work autonomously.

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The appointee may be required to:-

- Travel interstate and intrastate.

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It is highly desirable that the appointee has developed People Management skills and a working knowledge of the Employee Management System policies, Workplace Health and Safety Legislation and the principles of equal employment opportunity and anti-discrimination Legislation.

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It is also highly desirable that the appointee is aware of the Environmental Protection Act (1994) and its impact on QR.

What is the key selection criteria

1. High level of skill in developing, maintaining and applying complex rail network capability models using advanced simulation tools to support forecasting and analysis of network performance.
2. High level of skill in data management and analysis, with the ability to manage large datasets, ensure data accuracy and integrity, and analyse train plans and infrastructure maintenance programs to assess network utilisation, constraints, and opportunities.
3. High level of innovation and problem-solving skills to identify network performance challenges, apply analytical reasoning, and provide innovative solutions that support strategic projects such as network duplications, traction power assessments, and future service planning.
4. High level of interpersonal and stakeholder engagement skills to build and maintain effective working relationships to ensure modelling outputs meet business needs and support informed decision making.
5. Substantial knowledge of rail operations and capacity planning, including rail operational principles, timetable development, network performance factors, and contemporary capacity and capability methodologies across the rail industry.
6. Substantial analytical and communication skills to interpret modelling outputs and translate technical insights into clear advice that informs operational and strategic decision making for internal 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.

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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.