

Position Description



Position Title	Senior Data Engineer
Position No	00089615
Delegation Level	007
Job Designation	Engineer
Organisational Unit	Telecoms Systems Engineering SEQ Assets
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 4 Other (No Medical Required)
Performance Plan Type	
Shiftworker	No
Classification (Range)	PT4 .1 - PT4 .4
Pay Scale Type	ASPT
Reports to Position	Team Leader Data 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

Ensure the effective and efficient delivery of telecommunications data and network services through high-quality technical expertise and project delivery that support Queensland Rail's operational needs, business objectives and service outcomes.

Position Responsibilities

1. Design, document, implement and/or project manage telecommunications projects in line with established engineering standards and performance requirements.
2. Provide specialist technical advice and support to divisional staff and stakeholders in the area of operational telecommunications.
3. Proactively investigate customer requests, define requirements, and implement appropriate telecommunications solutions through to successful completion.
4. Ensure all project work is accurately documented and handed over to customers and/or maintenance staff in a timely manner and in line with divisional processes.
5. Monitor telecommunications project performance to ensure required system outcomes are achieved and delivered cost effectively.
6. Provide engineering support for the telecommunications data network to maintain its performance, reliability and availability.
7. Contribute to the technical training, development, mentoring and knowledge sharing for telecommunications office and field staff where required.
8. Keep up to date with emerging technologies, including design principles, installation practices, testing techniques relevant to telecommunications in a railway environment.



9. Perform other tasks consistent with telecommunications expertise as directed by Telecommunications management.

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;
- Co-ordinate and/or implement (as appropriate) telecommunication projects requiring input from other Divisional staff members and other Divisions;
- Be available to work away from home station and travel intrastate and interstate as required;
- Be available for on-call roster;

What is the key selection criteria

1. High level of skill in the design, implementation, support and documentation of telecommunications data networks and associated systems within complex operational environments.
2. Extensive knowledge of LAN/WAN data communications, physical network security and related technologies applicable to large transport or critical infrastructure organisations.
3. High level of skill in delivering telecommunications projects, including coordinating technical activities, implementing solutions and managing project tasks to required standards and timelines.
4. Extensive knowledge of telecommunications systems, cabling standards, installation practices and technologies relevant to a railway or similarly safety critical operating environment.
5. High level of skill in analysing customer requirements, developing fit for purpose telecommunications solutions and ensuring cost effective, sustainable outcomes.
6. High level of skill in providing operational engineering support for data networks, including troubleshooting, performance monitoring and maintaining network reliability and availability.
7. Substantial level of skills in oral, written and interpersonal communication, including preparing technical documentation and engaging effectively with customers, technical staff and stakeholder.
8. 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?:

20300281 Nat Drv Lic C (Qld A < 09.04.96)
40010406 G_Bach Eng (Electrical/Computer Science)

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.