

Position Description



Position Title	Principal Telecommunications Network Engineer - ETCS
Position No	00089424
Delegation Level	005
Job Designation	Engineer (Sig & Tele)
Organisational Unit	ETCS Alliance (Embedded) Major Projects Delivery
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Tech Professional Expert
Shiftworker	No
Classification (Range)	PT5 .1 - PT5 .4
Pay Scale Type	ASPT
Reports to Position	Manager ETCS Engineering CRR

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 provide specialist engineering services and technical leadership to project-based teams in the area of telecommunications data systems to deliver quality, commercially focused telecommunication engineering solutions across Queensland Rail. Provide expert guidance, ensuring European Train Control Systems (ETCS) telecommunications networks are technically robust, and compliant with Queensland Rail standards.

Position Responsibilities

1. Provide strategic technical leadership and advice to business groups, technical staff and stakeholders, ensuring ETCS network engineering solutions deliver commercial value and align with Queensland Rail's operational requirements.
2. Ensure standards and procedures are documented and applied in accordance with Queensland Rail Quality Assurance and Improvement Principles.
3. Monitor and influence ETCS CRR telecommunications data system projects, ensuring performance levels are achieved at competitive costs and integration into the QR data network does not compromise reliability, availability or maintainability.
4. Lead the facilitation of technical training and competency development for telecommunications office and field staff, ensuring compliance and capability uplift.

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;

Position Description



What is the key selection criteria

1. Extensive knowledge of LAN/WAN data communications and physical network security applicable to a large transport and logistics based organisation
2. High level of skill in the delivery of business-focused technical and professional telecommunications network solutions that deliver commercial value to Queensland Rail.
3. High level of skills in the design, system configuration, construction, auditing, commissioning, integration, documentation and technical support of telecommunications network systems to ensure maintenance, reliability and availability.
4. High level of skill in providing professional advice, strategic technical leadership and facilitation of training and competency development to technical and non-technical personnel, ensuring solutions are robust, reliable and compliant with Queensland Rail standards.
5. Extensive knowledge of telecommunications performance and integration principles, combined with strong analytical and problem solving skills to ensure ETCS CRR projects maintain operational effectiveness.
6. High levels of interpersonal, influencing and negotiation skills to engage effectively with stakeholders and drive accountability for performance and compliance.
7. Knowledge of and willingness to commit to and work within Queensland Rail's Value 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)
40010530 G_Bach Eng (Electrical/Electronic)

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.