

Position Description



Position Title	Senior Technical Officer (Electrical Services)
Position No	00052909
Delegation Level	007
Job Designation	Officer Technical
Organisational Unit	LV Systems Engineering SEQ Operations
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Team Member/Tech Prof
Shiftworker	No
Classification (Range)	PT4 .1 - PT4 .4
Pay Scale Type	ASPT
Reports to Position	Electrical Services Technical Lead

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

This Senior Technical position must review and advise on Low Voltage (LV) deliverables and return assets throughout their life cycle. Duties also include the development and supervision of LV Engineering CAD/BIM deliverables. The position includes; the performance of desk-based activities, direct field involvement with consultants, contractors and day labour, and reporting upon progress of works and to enhance design and functionality.

Position Responsibilities

1. Review designs produced by others for electrical installations in electrified and non-electrified environments.
2. Preparation of design drawings and development of specification documentation for Low Voltage Systems installations including switchgear and protection devices, control systems, lighting, and earthing systems.
3. Facilitate the implementation of electrical requirements by others through field investigations about LV works, assets, equipment, distribution, and lighting to enhance project deliverables and future design and functionality.
4. Undertake audits of systems to facilitate safety and condition monitoring of Queensland Rail's LV Assets.
5. Manage computer aided drafting (CAD) deliverables for LV Systems Engineering, working towards the organisations Building Information Modelling (BIM) outcomes.
6. Prepare correspondence, attend meetings, and conduct necessary communications to ensure that contracts are completed within time and cost constraints of overall projects.
7. Facilitate implementation of Australian Standards, recommendations from specialist reports accepted by Queensland Rail, and requirements

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- of Queensland Rail's relevant systems to achieve compliance.
8. Liaise with power supply authorities with respect to the design and provision of LV power supply.

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 Low Voltage Systems functionality, design principles and construction activities.
2. Extensive knowledge of drafting principles; specifically in AutoCAD2022 software or later.
3. High level of skill in the development of detailed design documentation and specifications, undertaking tender evaluations and supervision of contract works, pertaining to Low Voltage installations.
4. High level of skill in providing technical advice and preparing engineering reports.
5. High level of interpersonal, written, oral communications and negotiation skills.
6. High level of skill in auditing low voltage installations in railway environments for compliance, condition, and reliability.
7. 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?:

40003802 Provide CPR 12 Mths
20300281 Nat Drv Lic C (Qld A < 09.04.96)
30000102 Adv Dip Engr (Elec/Electronics)

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:

Head and Face protection
Eye Protection
High Visibility Clothing
Safety Footwear
Miscellaneous

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Safety Publications

Civil Engineering Publications Safepol 5
QR Weekly Notice
QR SMS - Specifications (Complete Set)
Annual Safety Plan
C.E.O.'s Safety Statement
Alcohol and Drug Policy Card
C.E.O.'s General Safety Rules
Professional Engineers Act
QR SMS Policy (Complete Set)
QR SMS Standards (Complete Set)

Please Note:

Queensland Rail has a random alcohol and other drug testing program.
Testing can occur anywhere, at any time, on any day.