

Position Description



Position Title	Electrical Services Technical Lead
Position No	00073405
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)	PT5 .1 - PT5 .4
Pay Scale Type	ASPT
Reports to Position	Manager LV Systems 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

Lead and coordinate the delivery function for Low Voltage (LV) electrical works, overseeing implementation activities, reviewing engineering outputs, and supporting field teams to ensure high quality, compliant, and efficient delivery across the asset lifecycle.

Position Responsibilities

1. Provide functional leadership and coordinate Queensland Rail's delivery of LV (and HV/LV where applicable) electrical works and assets, including design reviews, acceptance testing, commissioning, and handover processes, ensuring compliance with Australian Standards and Queensland Rail specifications.
2. Lead, manage, and develop work teams assigned to electrical delivery functions, providing clear direction, coordinating workloads, supporting effective escalation pathways, and ensuring delivery outcomes align with project, safety, and organisational requirements.
3. Build and sustain delivery team capability through coaching, technical guidance, mentoring, and the implementation of best practice, while acting as the primary escalation point for complex delivery-related technical issues.
4. Review and assess electrical installation designs prepared by others for both electrified and non-electrified environments, ensuring alignment with engineering standards, constructability, safety, and delivery requirements.
5. Develop, maintain, and continuously improve project quality documentation, including specifications, forms, and ITPC materials, to support consistent, compliant, and high-quality implementation of LV Systems.
6. Conduct field assurance activities across LV works, assets,



- equipment, distribution systems, and lighting, verifying compliance with Australian Standards and Queensland Rail specifications and driving improved design outcomes and long-term asset functionality.
7. Perform audits of electrical systems to support safety, compliance, condition monitoring, and the continuous improvement of Queensland Rail's LV asset portfolio.
 8. Coordinate CAD and Building Information Modelling (BIM) deliverables for LV Systems Engineering, ensuring alignment with organisational BIM objectives and the production of accurate, high-quality engineering documentation.
 9. Prepare correspondence, participate in meetings, and manage communications with internal and external stakeholders, ensuring contract deliverables are achieved within agreed timeframes and budget constraints.
 10. Liaise with power supply authorities regarding the design, provision, and implementation of LV power supply requirements to support timely and compliant delivery outcomes.

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 technical knowledge of Low Voltage (LV) systems, including system functionality, design principles, design development, construction activities, and their application across delivery, assurance, and asset lifecycle activities.
2. High level of skill leading LV electrical delivery programs, including coordinating design reviews, testing, commissioning, and construction activities to ensuring safe, compliant, and high-quality outcomes.
3. High level of technical leadership, mentoring, and team-development skills, with the ability to guide technical staff, manage escalations, and support continuous improvement in delivery performance.
4. High level of skill in assessing LV electrical installation designs, conducting field assurance and audit activities, and providing informed technical advice to support decision making.
5. High level of skill in developing and maintaining project quality documentation, including specifications, forms, and engineering artefacts, supported by proficiency in relevant drafting and documentation systems.
6. High level of interpersonal, written, and verbal communication skills, with the ability to negotiate, influence, and build productive working relationships with internal and external stakeholders.
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?:

Position Description



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:

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.