

Traction & Systems Controller (AC/DC)

Purpose:

- To monitor and control the Auckland and Wellington Electrified Traction Systems
- To undertake rail system support duties for the national rail network on a 24/7 rotating roster.

Dimensions:

Reports to:	Manager Operational Assurance & Support
Responsible for:	NIL
Location:	Wellington
Internal Contacts:	Traction Line Mechanics & Electricians Leading Traction Electricians Traction Supervisors/Managers Traction/Electrical Field Engineers Traction & Electrical Engineering team Network Control Managers National Control Network Manager Train Controllers Signallers Signals Maintenance staff
External Contacts:	Auckland Metro Passenger Service Operator Wellington Metro Passenger Service Operator Transpower and lines Company Control room and field staff

Key Accountabilities

Electrical Control Operations

- Provide safe and efficient operation of the Auckland and Wellington traction systems by monitoring and control of SCADA systems in accordance with prescribed procedures.
- Provide regular communication with traction field staff to instruct them to undertake safe operations of network equipment to provide isolations for safe working and the restoration of supplies at the conclusion of works.
- Planning and coordination of traction and signals high voltage outages.
- Checking of switching procedures.
- Undertake field experience work with Traction Line Mechanics and Electricians on a regular basis. Carry out fault location and diagnostics.
- Train other staff in Traction Control Room operations. Analyse and report on system performance
- Undertake investigation of events, incidents and writing reports



- Implement safe and prompt contingency plans to recover from service disruption incidents.
- Liaise with Train Controllers, Signal Box, Traction and Signals staff. Maintain competency through regular refresher training and peer feedback
- Undergo periodic competency assessment by theory examination/observation audit/voice recording audit

Note – the scope of the task may grow in later years to include control of the Hamilton – Palmerston North 25kV AC electrified traction area

Systems Support

- Undertake monitoring of other railway systems (in particular signals, communications assets and respond to alarms as prescribed by procedures). Responses in accordance with procedure and within times set.
- Analyse and report on system performance.
- Undertake testing of other railway systems (such as radios) Undertake other operational support duties as specified from time to time.
- Undergo periodic competency assessment by theory examination/observation audit/voice recording audit.
- Ensure you clearly document your work activities and established files are clearly identified and filed correctly.

Zero Harm

- Responsible for complying with all rail safety system standards, procedures and statutory requirements within your area of responsibility.
- Responsible for your own safety and that of other rail employees, contractors and visitors within your work environment.
- Responsible for the identification, reporting and initial control of any safety or environmental hazard identified within your area to your immediate manager.
- Adhere to KiwiRail’s health and safety requirements and take responsible for maintaining a proactive approach regarding both personal wellbeing as well as that of fellow employees, associated client personnel, sub-contractors and members of the public.
- Report all accidents and incidents to your immediate supervisor within one hour.

Learning and Development

- Undertake both On the Job Training for prescribed competencies and attend training courses provided by KiwiRail or external agencies where required to fulfil requirements of the position. This will be measured by completion of modules necessary to carry out the role are successfully completed.
- Acquire on job training competencies set for position in:
 - DC Traction Control
- AC Traction Control

General

- Maintain a customer service focus and display professional behaviour when dealing with associated client personnel, sub contractors and members of the public.
- Able to travel and stay in electrified areas outside Wellington including Auckland for short periods
- Adhoc duties and responsibilities as required from time to time.



Person Profile

Essential:	Desirable:
<ul style="list-style-type: none"> • Experience working with electrical systems, or non electrical Trade or technical experience that shows ability to understand control systems and procedures. • Have a working knowledge of Microsoft Office products and able to learn new computer systems. • Excellent planning and organizational skills. • Ability to communicate effectively. • The ability to use own initiative, work autonomously and prioritise conflicting demands. • Motivation and ambition to succeed in this field. • Ability to balance conflicting demands and to work under pressure and stressful situations. • Attention to detail. • Willingness to learn. • Maturity and judgement. • Able to travel and stay away from Wellington (including Auckland) for short periods. 	<ul style="list-style-type: none"> • Experience working shift work.

NOTE- It is proposed that the control room staff will have three levels of competency. At the top level, knowledge of electrical systems will form an essential component of the job. For the more senior level positions preference will be given to applicants who bring this electrical knowledge

Education:

Essential:	Desirable:
<ul style="list-style-type: none"> • NCEA Level 1 in Maths and English or Equivalent. 	<ul style="list-style-type: none"> • An electrical qualification as a Line Mechanic, or Electrician, or Electrical Service Technician • A certified control room operator for routine and documented switching.

