

# KiwiRail | Position Description

## Telecommunications Technician Level 1

### **Purpose:**

The day-to-day maintenance of telecommunication systems, electronic equipment and electronic signaling devices and associated equipment to ensure safe and reliable technology assets.

To provide the effective and efficient operation of all radio communication systems, transmission equipment and train Control equipment, ensuring optimum availability and performances that will meet all contractual and legislative requirements.

To provide assistance with the installation, maintenance and fault rectification of electronic railway signalling technologies.

### **Dimensions:**

**Reports to:** STTE Manager

**Location:** Local Depot (some travelling/overnight may be required)

**Internal Contacts:** Telecoms Engineering  
Production Manager  
Signals Staff  
Area Staff  
Operations Support Staff  
Telecommunications Technicians

**External Contacts:** Members of the Public  
Contractors

### **Key Accountabilities**

#### **Operations**

- Undertake day-to-day operational responsibility for the communication systems equipment, fibre and copper cable network and installations in accordance with KiwiRail requirements.
- Assist with fault finding and provide technical support on electronic signalling technology as required.
- Required to resolve faults of varying complexity in accordance with Company standards and procedures.
- Maintain a sound working knowledge of the communication systems.
- Assist with the commissioning of communication systems as and when required.
- Assist in the investigation and reporting of failures and other incidents / accidents involving communications assets.
- Provide progress reports as and when required.

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| <ul style="list-style-type: none"> <li>• Perform manual tasks and operate power tools and plant for which training is provided.</li> <li>• Operate and maintain repair and maintenance facilities, plant, vehicles and tools to the required standards and levels of technical and operational safety.</li> <li>• Complete administration duties in accordance with Company processes and procedures as required.</li> <li>• Ensuring that the designated Telecommunications assets are code compliant.</li> <li>• Such other duties and responsibilities as the Company may require from time to time.</li> <li>• Participate in an emergency call back/outs roster as required.</li> </ul>                                                                                                                                                                                     |
| <b>Zero Harm</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>• Responsible for complying with all rail safety system standards, procedures and statutory requirements within your area of responsibility.</li> <li>• Responsible for your own safety and that of other rail employees, contractors and visitors within your work environment.</li> <li>• Responsible for the identification, reporting and initial control of any safety or environmental hazard identified within your area to your immediate manager.</li> <li>• 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.</li> <li>• Report all accidents and incidents to your immediate supervisor within one hour.</li> </ul> |
| <b>Training and Development</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>• Undertake both On The Job Training for the set designation plus attend training courses run by the company, or external agencies as and when required to fulfil the requirements of the position.</li> <li>• Acquire On The Job Training competencies for the set position and the modules are successfully completed.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Records Management</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <ul style="list-style-type: none"> <li>• Ensure you clearly document your work activities and established files are clearly identified so others can find them.</li> <li>• All records are to be kept in KIWIRAIL's filing system, including emails.</li> <li>• Ensure no records are removed or transferred from the filing area or any files are destroyed before the disposal date or without authorisation.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## **Education:**

| <b>Essential:</b>                                                                                                                                                                                                                                            | <b>Desirable:</b>                                                                                                                                                                                                                        |
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| <ul style="list-style-type: none"> <li>• NCT level 4 certification or equivalent.</li> <li>• Hold EAS registration</li> <li>• A current, clean class one driver's licence</li> <li>• A current first aid certificate</li> <li>• Computer literate</li> </ul> | <ul style="list-style-type: none"> <li>• Full Electrical registration</li> <li>• Hold a fall arrest certificate for working at heights</li> <li>• Undertake 4WD training and be able to operate it safely in remote locations</li> </ul> |

## **Experience & Knowledge:**

| <b>Essential:</b>                                                                                                                                                                                                                                                                                                                                                           | <b>Desirable:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <ul style="list-style-type: none"> <li>• Broad range of telecommunications experience including radio and RF technologies, data and transmission systems</li> <li>• Experience in the setup and maintenance of radio infrastructure</li> <li>• Experience working as part of a small team</li> <li>• Experience with fault finding in an operational environment</li> </ul> | <ul style="list-style-type: none"> <li>• Past experience of working for a rail company in a telecommunications and signalling capacity.</li> <li>• Experience working on telemetry control systems</li> <li>• TPI</li> <li>• Knowledge of rail infrastructure codes and standards and understand the importance of the Locomotive ATC agreement and requirements.</li> <li>• Knowledge/Experience of Network diagnostic tools</li> <li>• Knowledge/Experience of SCADA</li> <li>• Knowledge/Experience of VOIP</li> </ul> |

### **Competencies & Abilities**

| <b>Essential:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Desirable:</b> |
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| <ul style="list-style-type: none"> <li>• Ability to work outdoors in all weather.</li> <li>• Ability to travel and stay away overnight.</li> <li>• Ability to work at heights</li> <li>• Ability to attend any high priority failures after hours.</li> <li>• A demonstrated commitment to health and safety in the workplace.</li> <li>• Well-developed communication skills</li> <li>• Attend Induction training</li> <li>• Successfully complete all On The Job training tasks.</li> </ul> |                   |