



Position Description

NON-DESTRUCTIVE TESTING (NDT) Trainee Infrastructure

Purpose:

In this role you will undertake on the job training to learn to use NDT methods of UT & Visual and other means of testing to detect rail flaws/defects in the field or Rail-weld depot when required. You will be trained alongside a suitably qualified NDT operator or inspector to gain skills and qualifications in the rail environment and undertake tasks as directed. Any defects or flaws will be documented, verified, and passed on to your supervisor for assessment. You will also use your growing track skills to undertake other track related quality inspections and checks as directed.

Health and Safety is an important part of how KiwiRail operates. You will champion safety and be expected to "walk the safety talk".

Dimensions:

Reports to:	Technical Manager - Metros
Responsible for:	N/A
Location:	Local depot as agreed with manager however, you will be expected to travel and stay overnight in other locations as required to fulfill your duties.
Budget:	N/A
Internal Contacts:	Technical Manager - Metros Production Managers Field Production Managers Asset Managers/Engineers Network Services Manager Track Engineering Track Inspectors Other NDT Operators Welders Train Control Planners Rail-Weld Depot

External Contacts: Contractors



Sub-contractors
Members of the Public / Local Authorities

Key Accountabilities

NDT Operations

- Support and/or perform tasks associated with the non-destructive testing of rail both in the field and at rail welding depots (When required) under the direction of your trainer. Detect defects of rail and ensure all work carried out complies with relevant quality, safety, and engineering standards. This may be either by mechanical or hand testing means.
- Participate in planned network inspections of the track or undertake inspection tasks as directed by your trainer.
- Participate in compliance auditing and assessment of any welding work carried out within the network, report nonconformities and inconsistency to your manager to ensure all finished work is done to the highest quality.
- Support and/or carry out inspections on all critical rail components and jewelry within each area on either Hi-Rail vehicle or Track Evaluation vehicles throughout each section looking for visual indications of defects.
- Update rail condition information in the asset management system via notification or direct entry into MAXIMO.
- Ensure non-destructive testing equipment is functioning correctly as well as being clean and orderly as required by Kiwirail's operating maintenance procedures, standards, and code.
- Become familiar rail weights, configurations, and their characteristics.
- Accurately complete documentation and paperwork, including but not limited to:
 1. Timesheets
 2. Job Costing forms.
 3. ACC accident forms
 4. Allowance claims forms
 5. Service Work Order forms
 6. Defect Reports
 7. Keep a logbook record of hours gained toward AINDT certification.
- Report and act in response to defective rail, within code requirements.
- Report all observations while inspecting regarding to infrastructure condition or safety matters to your supervisor immediately.
- Take all immediate actions necessary to rectify any defect or limit any hazard that poses a safety risk to either staff, the public or train operations.

Note: This position requires the individual to be actively engaged in technical training and development as they learn and retain knowledge in NDT methods, physics and the properties of sound and metal. A commitment to ongoing applied knowledge and assessment by your supervisor is essential.

General

- Contribute to team decisions and Toolbox Meetings.
- Contribute to and foster a positive team working environment.
- Maintain a customer service focus and display professional behaviour when dealing with, associated client personnel, sub-contractors, and members of the public.
- Ensure all work is carried out in the most effective and economical manner to maximise productivity.
- Be prepared to travel as required within your designated area of responsibility.
- Support and/or carry out other track related inspections and quality checks and report back as required.
- Any other such duties and responsibilities the company may require from time to time.
- Ensure you clearly document your work activities and established files are clearly identified and filed correctly.
- Be proactive in maintaining your level of competency as required by the code – this includes but is not limited to Kiwirail core competencies, Testing certifications, first aid. A full and clean drivers licence must also be maintained.
- Maintain the company expectations around any Kiwirail items issued to you for usage such as company credit cards, vehicles, PPE, and communication devices.
 - Have defect information and data readily available for a senior NDT inspector, or engineers to verify and provide technical support/feedback.
 - Be able to support in other regions if and when required.

Learning and Development

- Undertake both On the Job Training and attend training courses run by KiwiRail, or external agencies where required to fulfil the requirements of the position. This may mean training is conducted in an overseas location so the need for a current passport is required.
- Acquire on job training competencies set for position.
- Modules/courses necessary to carry out the role are successfully completed,
- You may be required to attend workshops such as Technical Committee Meetings from time to time to receive and give input in to maintaining relevance and better ways.
 - Have defect information and data readily available for a senior NDT inspector, or engineers to verify and provide technical support/feedback.
 - Be able to support in other regions if and when required.

Safety, Health and Wellbeing

- 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
- Undertake to assist your manager in investigations relating to Zero Harm where required. This includes but is not limited to IRIS and Level 2/3 investigations.
- Actively work to reduce LTIFR and TRIFR statistics.

Note: This position requires the individual to operate in isolation for much of the working year, therefore personal safety, and the ability to communicate in an emergency is an absolute Non-Negotiable quality that needs to be at the fore front of your daily tasks.

Person Profile

Essential:	Desirable:
<ul style="list-style-type: none"> • High aptitude for learning • Must be able to solve complex mathematical equations and formulas. • Knowledge of welding, MIG ARC and defect indicators. • High level of concentration and attention to minute details. • Must be computer literate. • The ability to complete written reports to the satisfaction of your manager. • A commitment to Zero Harm. • Ability to retain large amounts of knowledge and information and the desire to learn more. 	<ul style="list-style-type: none"> • Previous track work experience in a track gang • An understanding of MAXIMO. • Technical rail experience • Experience in rail testing / audit and inspection duties • Knowledge of Engineering and the properties of ultrasonic testing

Education:

Essential:	Desirable:
<ul style="list-style-type: none"> • A current class 1 car licence • Math and English NCEA equivalent • Microsoft office (365) 	<ul style="list-style-type: none"> • Be a rail certified track welder • Be NDT trained and have experience in ultrasonic testing • Successfully completed all appropriate licences to operate in a rail network • Class 2 licence