

KiwiRail | Position Description

Digital Inspector Network Services

Purpose:

In this role you will utilise video images and other measurements captured by automated track inspection equipment to inspect rail track assets and confirm any defects in track & traction components. You will use your knowledge of track & traction components and inspections to confirm all images of defective components. You will ensure all automated track inspection equipment & systems are functioning as expected and act as required to follow-up on any changes needed.

Health and Safety is an important part of how KiwiRail operates. You will be a safety leader and will be expected to “walk the safety talk”.

Dimensions:

Reports to: ATIS Team Leader
Responsible for: Inspection of track components via digital systems
Location: Headquartered at Westfield Depot, Auckland. Some travel required for learning and development.
Internal Contacts: Senior Asset Engineer
Asset Engineers
Field Asset Engineers
Track Inspectors
Traction Field Engineers
Track Engineering
Traction Engineering
External Contacts: Vendor of automated inspection equipment & system

Key Accountabilities

Digital Inspections

- Verify all automatically identified defects presented on video images.
- Reject suspected defects discovered by artificial intelligent systems where incorrectly identified.
- Inspect and create any defects for track & traction infrastructure where automated defects are not detected, by using video images and other measurements available.



<ul style="list-style-type: none"> Complete all digital inspections discovered on the previous automated inspection run by the end of the following day.
Configurations of Inspection Systems
<ul style="list-style-type: none"> Work with your team and Track & Traction Engineering teams to ensure the relevant Track & Traction Codes and Standards are correctly configured in the automated inspection systems. Assist with the improvement of automated identification of defects from images by helping to confirm images or provide the system Vendor with additional information. Work with your team and the ATIS Operator to ensure the automated track inspections provide coverage of all the track components within the required and scheduled timeframes. Confirm on a regular basis that all systems are functioning as expected to perform your duties and ensure data is being forwarded to other relevant Asset Management systems. Work as required with your team, ICT, and the system Vendor to ensure the automated inspection systems and measurements are functioning as expected.
General
<ul style="list-style-type: none"> Contribute to team decisions and Toolbox meetings and foster a positive team working environment. Maintain customer service focus and display professional behaviour when dealing with all immediate and extended team members and any external vendors. Ensure all work is carried out in the most effective manner to maximise productivity of digital inspections. Be prepared to travel as required for learning, development, meetings with extended teams or vendors as required to complete your duties. Carry out 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. SME in providing plans to remediate and have a good understanding specifically of maintenance (replacement, part changes, asset management)
Learning and Development
<ul style="list-style-type: none"> Undertake both On-the-Job-Training for the position and attend training courses run by company, or external parties where required to fulfil requirements of the position. Acquire On-the-Job-Training competencies set for position. Complete successfully training modules/courses necessary to carry out the role.
Zero Harm
<ul style="list-style-type: none"> 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 responsibility 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.

Person Profile

Essential:	Desirable:
<ul style="list-style-type: none"> • 10 years in track inspection or similar related role with field experience on rail track. • Experience and familiarity with all rail track components. • Experience and familiarity with track component measurements and charts. • Computer literate, with good knowledge of MS Office applications. • Experience in relevant testing, analytical, interpretation of AI and video skills. 	<ul style="list-style-type: none"> • Knowledge and understanding of rail traction overhead power components. • Experience of using Asset Management or ERP systems. • Experience with using video or still images to inspect and identify defects in rail corridor. • Experience with automated track inspection systems.

Education:

Essential:	Desirable:
<ul style="list-style-type: none"> • Certificate of Engineering/Electrical/Track 	

