



Job Description Form

Our Purpose

To provide safe, customer-focused, integrated and efficient transport services.

Position Title

Condition Monitoring Engineer

Level

6

Position Number

36186

Division/Directorate

Network & Infrastructure

Branch/Section

Track

Effective Date

June 2021

Health Task Risk Assessment Category

3

Reporting relationships

Superordinate: Rail Infrastructure Condition Monitoring Manager, Level 7

Subordinates: No Direct Reports

Key role of this position

Provides engineering support and expertise for the identification and implementation of condition monitoring solutions that significantly contributes to the overall performance, reliability and compliance of the rail network.

Core duties and responsibilities

Branch Support

- Contributes to both the Branch operational performance and the reliability of assets leading to the effective delivery of services for the PTA.
- Contributes to the branch engagement and performance by providing ideas and opinions for improvement; delivering against Divisional and Branch objectives and management expectations; maintaining and developing technical competence and supporting the development of others.
- Contributes to developing a positive safety culture, providing ideas and opinions for continuous improvement in workplace safety, engineering design and maintenance delivery ensuring works personally carried out comply with PTA requirements and other legislative requirements.
- Provides support and contributes to general business matters relating to the branch operation, such as risk management, policy and procedure development, performance reporting and continuous improvements to ensure the branch delivers in accordance to PTA requirements.

Technical

- Provides technical guidance and advice with regard to technical matters such as to designs, drawings and documents and represent the branch as a technical expert; providing active leadership in the area of safety and participates in incident investigations; identifies, records and appropriately manages risks and hazards: reviews the appropriateness of existing risk control; reviews contractor's safety management systems and processes and monitor safety performance.
- Contributes technical expertise and knowledge to asset maintenance, testing and commissions, inspecting, reviewing, investigating and identifies appropriate condition monitoring technologies to meet the needs of the branch.
- Participates in the review and development of technical requirements necessary to comply with Legislation, Standards and other external regulations taking account of engineering best practice; and with the development and review of codes of practice, technical standards, specifications, work instructions and good practice guides.
- Contributes to branch asset management requirements, supporting the delivery of renewal programs and projects within the division and for major projects; so that works necessary to deliver PTA goals are identified, specified and achieved.
- Coordinates and liaises with contractors to facilitate the delivery of condition monitoring activities, developing inspection programs ensuring contractors are scheduled without conflict and comply with the PTA's procedures and operational requirements.

SELECTION CRITERIA

1. Core Competencies

- Possession of an appropriate Engineering Degree that would satisfy the admission requirement for professional membership to IEAust (Engineers Australia).
- Substantial experience within the rail industry in the track discipline.
- Demonstrated relevant experience in
 - Project and contract management
 - Managing risks and implementing appropriate controls
- Recent experience in condition monitoring systems commissioning and operations.
- Proven experience in providing engineering expertise and knowledge in the planning, design and delivery of maintenance and/or construction works in an operational asset intensive environment.
- Proven experience in applying safety management systems and knowledge of the Rail Safety Legislation.
- Proven experience in applying asset management frameworks contributing to asset management strategy.

2. Management and Leadership

- Demonstrated experience in providing leadership to others than contributes to the achievement of agreed outcomes for a team

3. Communication and interpersonal

- Well-developed written, verbal and interpersonal communication skills, including demonstrated:
 - Ability to build and maintain effective working relationships with a range of people
 - Ability to write concise and well-structured technical reports.

4. Conceptual and analytical problem solving

- Well-developed conceptual and analytical skills with the ability to resolve complex technical and operational problems and issues

5. Organisational

- Well-developed organisational skills with the ability to achieve agreed targets and timelines through the use of effective teamwork and delegation.
- Ability to resolve complex technical and operational problems and issues.

6. Computer literacy

- Competent use of relevant computer software packages and MS Office, in particular Excel and Power BI to an advanced level.

7. Personal Attributes

- Demonstrates self-awareness, insight, astuteness and strong commitment to:
 - Personal development.
 - Personal Accountability
 - Safety leadership

8. Special requirements

- Satisfactory completion of required medical examinations to verify physical fitness to perform the duties of the position.
- Provision of a current National Police Clearance certificate, dated 3 months or less from the date of application for the position.
- Ability to work unsocial hours, callouts, travel and stay away from home station, sometimes at short notice.
- Applicants must meet the special requirements shown below within an agreed period of time. Cancellation of the appointment will occur where an applicant does not meet the special requirements within an agreed period of time after appointment:
 - Individual Access (IA) Track Access Permit

Certification

The details contained in this document are an accurate statement of the duties, responsibilities and other requirements of the position.

Managing Director / Executive Director / General Manager

.....
Signature

.....
Date

Employee

I have read and accept the responsibilities of the Job Description Form.

The position's duties are to be performed in accordance with the PTA's Code of Conduct and the PTA's Values.

.....
Signature

.....
Date