



Job Description Form

Our Purpose

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

Position Title

Senior Rail Systems Engineer

Level

6

Position Number

30060

Division/Directorate

Network & Infrastructure

Branch/Section

Asset Management and Infrastructure Operations

Effective Date

November 2018

Health Task Risk Assessment Category

3

Reporting relationships

Superordinate: Infrastructure Performance & Reliability Engineer, Level 7

Subordinates: No Direct Reports

Key role of this position

Provides engineering support and expertise for the maintenance, design, construction, upgrades and modifications of the Network and Infrastructure assets; contributing to the overall performance, reliability and compliance of the PTA's infrastructure operations.

Core duties and responsibilities

Leadership and Business Support

- As a senior member of the Asset Management and Infrastructure Operations Branch, 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 contributing 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, contributing 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.

Asset Management

- 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.

- Contributes technical expertise and knowledge to engineering, design, maintenance, testing and commissions, inspecting, testing, reviewing, investigating and any other arrangements necessary to support the operation; carrying out delegated arrangements to achieve business objectives appropriately and to management expectation.
- 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 asset renewal requirements for branch assets, supporting or acting as Coordinating Project Engineer and/or Project Engineer to deliver renewal programs and projects within the division and for major projects so that works necessary to deliver PTA goals are identified, specified and achieved.
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Essential Work Related Requirements

1. Job Specific

- Possession of a tertiary qualification in Engineering to allow eligibility for membership to the Institute of Engineers (Australia) in the category of Associate Professional Engineer within an electrical or control systems discipline.
- Demonstrated experience and knowledge of infrastructure operational systems' and their application in asset management processes.
- Demonstrated experience in analysing asset systems, developing, recommending and implementing strategies for continuous improvement of asset performance.
- Ability to quickly assimilate solutions to complex technical engineering principles and issues and apply these in an operational and maintenance environment.
- Demonstrated experience and knowledge in leading delivery of complex multi-disciplinary system projects

2. Leadership and Management

- Demonstrated expertise in effectively leading and managing technical personnel with the ability to drive and deliver sustainable performance against objectives.

3. Communication and Interpersonal

- Well-developed verbal, written and interpersonal communication skills, including the ability to resolve problems, negotiate and consult with a range of stakeholders to obtain positive outcomes.

4. Conceptual, Analytical and Problem Solving

- Highly developed conceptual and analytical skills, including the ability to resolve solve technical problems.

5. Organisation

- Highly developed organisational skills, including the ability to achieve agreed targets and timescales through the use of effective teamwork.

6. Computer Literacy

- Proficient in the use of Microsoft Windows based computer software including Word, Excel, Access and other computer applications and technology relating to asset management, i.e. Control Systems Technology.

Special Appointment 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.
- Possession of a current Western Australian 'C' class drivers licence or equivalent.



- Applicants must meet the special requirements shown below within and agreed period of time. Cancellation of the appointment will occur where and applicant does not meet the special requirements with 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
