



Job Description Form

Our Purpose

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

Position Title

Senior Engineer - Facilities

Level

6

Position Number

35421, 35422

Division/Directorate

Network & Infrastructure

Branch/Section

Facilities and Infrastructure

Effective Date

August 2019

Health Task Risk Assessment Category

3

Reporting relationships

Superordinate: Principal Engineer, Level 7

Subordinates: No Direct Reports

Key role of this position

Provides engineering expertise for the electrical, fire and life safety and mechanical systems within the Branch. The role also reviews the operational performance for complex systems including the maintenance regimes, ensuring the systems comply with regulations and standards.

Core duties and responsibilities

Leadership

- Contributes to the development of the Branch's Business Plan planning strategies and actions and their implementation.
- Prepares the Asset Management Plans, ensuring planning requirements are incorporated into the capital investment process.
- Implements compliance changes to standards, specifications, practices and regulatory requirements as appropriate within the Branch.
- Actively promotes a strong safety culture through the continuous review of procedures and guidance, proactive involvement in safety meetings, job planning, and risk assessments.

Technical and Supervision

- Reviews and approves contractors and consultant's proposed designs and modifications of systems for new and existing infrastructure.
- Ensures all new designs and modifications of systems are in accordance and compliance with Australian Standards and the Public Transport Authority's (PTA) Standards, such as, AS/NZS 3000:2007 Wiring Rules, PTA Earthing and Bonding Guidelines, PTA Lighting Design and Maintenance Guidelines, WA Electrical Requirements, Electricity Regulations and the Electricity Act.

- Designs from concept power supply systems from Western Power's point of attachment to the PTA's distribution boards.
- Carries out testing and commissioning of new and established installations to ensure safety and compliance with electrical Regulatory requirements.
- Provides professional technical guidance, advice and corporation to internal and external stakeholders on matters.
- Investigates and reports on all incidents including, IFRS, and Site Safe databases.
- Prepares Maintenance Strategies and contributes to the overall Maintenance Plan for the Signals Team.

Project/Contract Management

- Manages high value and high risk projects, coordinates and plans in house teams and/or contractors undertaking design and/or construction of installations within the PTA network.
- Monitors and directs for compliance to approved specifications, budgets, time and quality.
- Prepares technical specifications and tender documents.

Liaison and Customer Service

- Liaises with functional and operational areas within the PTA and other relevant government agencies as required to achieve optimum train service operations.
- Liaises with contractors employed on behalf of the PTA.

Other Duties

- Represents the Branch at meetings as required including other duties as directed.
- Carries out as required, such work related tasks and functions that are within the limits of the employee's skills, competence and training.

SELECTION CRITERIA

1. Core Competencies

- Possession of a Degree in Engineering (Electrical) to allow eligibility for membership to the Institute of Engineers (Australia) in the category of Chartered Professional Engineer.
- Considerable experience in electrical maintenance and an understanding of Western Australian Electricity Regulations and Australian Standards.
- Demonstrated experience in design and construction and maintenance principles for ES systems preferably in a railway environment.
- Considerable ability to quickly assimilate complex technical engineering principles and issues and apply these in an operational environment.
- Demonstrated experience in project and contract management.

2. Communication and Interpersonal

- Well developed verbal, written and interpersonal communication skills, including the ability to develop rapport with internal and external stakeholders.

3. Conceptual, Analytical and Problem Solving

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

4. Organisation

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

5. 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.
- Possession of a current Western Australian 'C' class drivers licence or equivalent. This requirement continues for the duration of employment in this position and from time to time production of the licence on request by the PTA may be required.

- Prepared and able to work unsociable hours while involved in fault finding, maintenance and construction activities, sometimes at short notice.
- Ability to work at moderate heights.
- Applicants must meet the special requirements shown below within 3 months of appointment to the position. Cancellation of the appointment will occur where an applicant does not meet the special requirements within the agreed period of time.
 - Supervised Worker (SW) Track Access Permit
 - OHS Training for Managers
 - Senior First Aid.

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