



Job Description Form

Our Purpose

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

Position Title

Communications Systems Project Engineer

Level

5

Position Number

37426

Division/Directorate

PTA Project Delivery

Branch/Section**Effective Date**

February 2026

Health Task Risk Assessment Category

3

Reporting relationships

Superordinate: Delivery Manager, Level 8

Subordinates: No Direct Reports

Key role of this position

Provides technical support and assistance in the design, delivery and integration of communications infrastructure associated with the Public Transport Authority's (PTA) High Capacity Signalling (HCS) project. This includes preparing, checking and reviewing design construction, testing and commissioning documentation to ensure engineering solutions are safe, reliable and cost effective and comply with regulations and standards.

Core duties and responsibilities

Technical

- Assists with the planning and design of communications systems, ensuring compliance with the PTA's design principles and codes.
- Reviews communications designs, ensures adherence to codes of practice, safety standards and industry standards. e.g. fibre optics, radio networks, IP networks.
- Supports the integration of communication systems with signalling command and control, onboard equipment, SCADA and CCTV systems, including performing inspections and preparing reports on works during construction.
- Participates in testing and commissioning of new equipment, systems and technology, including as Test Engineer or as Witnessing Engineer for Contractor's testing and commissioning.
- Provides relevant technical guidance, assistance and training to other staff as required to ensure safe, reliable and efficient operations.
- Liaises with stakeholders, both internal and external, on the delivery of projects, including providing feedback and recommendations to the HCS Technical Lead.
- Assists with reviews, development and application of communications standards, codes of practice, technical specifications, engineering maintenance instructions, service schedules, work practices, type approvals, technical training manuals, drawings and associated communications systems documentation to ensure safe, reliable and efficient operations.
- Undertakes research and prepares project specific reports as required.
- Attends meetings and prepares correspondence in support of the project's requirements as required.

Project and Contract Management

- As assigned, manages communications projects of medium complexity, to ensure projects are completed on time, within budget and comply with industry standards and the PTA's safety requirements.
- Assists with monitoring and reporting on budgeting and expenditure for the communication's components of the capital and operating work programs.
- Assists in the management of contracts including the development of tender documents and scopes of work, evaluation of tenders and contract administration.
- Ensures projects comply with OHS and Rail Safety Law.

Other

- 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 relevant Engineering Degree that would satisfy the admission requirement for corporate membership to Engineers Australia.
- Demonstrated experience in communications systems design and integration within a rail or transport project environment.
- Demonstrated experience in fault finding on communications and associated field equipment.
- Demonstrated knowledge of IP networking, radio frequency systems and fibre technology.
- Relevant knowledge of CBTC principles and safety critical systems as they relate to communications systems.

2. Communication and Interpersonal

- Demonstrated ability to work in a multidisciplinary team environment with minimal supervision.
- Well-developed verbal, written and interpersonal communication skills including documentation and report writing.

3. Conceptual, Analytical and Problem Solving

- Demonstrated conceptual and analytical skills, including the ability to provide innovative solutions to solving problems.

4. 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' or 'C-A' Class Driver's 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.
- Ability to work unsociable hours, including callouts, travel and staying away from home station, sometimes at short notice.
- Applicants must meet the special requirements shown below within and agreed period. Cancellation of the appointment will occur where and applicant does not meet the special requirements with an agreed period of time after appointment.
 - Supervised Worker (SW) Track Access Permit
 - Electrical Safety Awareness

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

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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

