



Job Description Form

Our Purpose

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

Position Title Geospatial Information Lead	Level 7	Position Number 36864 (Nominated)
Division/Directorate Information Management and Operational Systems	Branch/Section Corporate Information	
Effective Date February 2026	Health Task Risk Assessment Category 3	

Reporting relationships

Superordinate: Director Corporate Information, Level 8
Subordinates: Senior Geospatial Analyst, Level 6

Key role of this position

The Geospatial Information Lead is responsible for leading the implementation of the Spatial WA 'Infrastructure Projects and Assets' use case, engaging with work across the entire Department of Transport and Major Infrastructure (DTMI) portfolio and partner agencies involved in Spatial WA to ensure the Advanced Spatial Digital Twin (ASDT) platform has the required capability to meet the use case.

The Geospatial Information Lead is also responsible for the development and implementation of standards, systems and oversees information governance relating to geospatial data and information at the PTA.

The position is accountable for ensuring geospatial related initiatives are coordinated across the organisation, providing leadership for how geospatial information is captured, managed and used to inform projects and operations ensuring a safe and reliable public transport network.

Core duties and responsibilities

Leadership

- Leads strategic and operational planning for geospatial information management to ensure long-term alignment with PTA objectives and effective business outcomes.
- Leads the development of and sustains geospatial information governance on behalf of all divisions of the PTA.
- Coordinates geospatial activities on behalf of PTA divisions to ensure a common approach and framework for geospatial data, information and systems is adopted for the PTA.
- Provide expertise to digital engineering and asset management leads and manages the implementation of improvement initiatives for how geospatial supports a lifecycle approach to asset infrastructure management.

Geospatial Information Management

- Oversees the ongoing development and continuous improvement for how geospatial data and information is discovered, accessed and utilised by internal and external stakeholders.

- Provides technical and strategic advice to support PTA objectives in relation to industry innovations, standards and governance.
- Responsible for the ongoing development and implementation of a PTA geospatial strategy including undertaking regular operational and roadmap planning, data standards development and reviews and measuring the value of geospatial for the PTA.
- Develops a capacity plan to support the future growth of geospatial supporting PTA business systems and services.

Relationship and Stakeholder Management

- Consults, advises, negotiates and sustains effective working relationships with internal and external stakeholders including industry groups, consultants and other Government agencies to achieve outcomes aligned to PTA's corporate strategy.
- Establish and provide leadership to a network of geospatial officers, system owners and business managers across the PTA.
- Represents the Public Transport Authority on external committees and working parties as required.

Outcomes

- Develops and implements projects relating to improvement of geospatial data, information, systems and processes across the PTA.
- Identifies, prepares business cases, communicates, and presents on relevant and emerging technologies, methods and practices in the rail industry and other relevant sectors.

Spatial WA Use Case Lead

- Leads the investigation into and confirms the business requirements for the delivery of a common framework to leverage Spatial Digital to support infrastructure planning, design, delivery, and operations.
- Engages with, communicates and presented to executive and other senior leaders across the portfolio and partner agencies to influence and prioritise support work required to deliver the use case.
- Undertakes research and drives innovation to streamline infrastructure planning and delivery processes, leveraging digital engineering data and other spatial data in a common framework.
- Establishes and continually monitors benefits realisation metrics supporting the quantification of benefits for the use case.
- Leads and manages strategic projects including developing project plans, identifying risks and evaluating outcomes.
- Provides leadership across the PTA and DMTI portfolio agencies through implementing change processes that ready agencies to leverage the ASDT
- Engage across the PTA to assist in modernisation of geospatial data and related systems aligned to leveraging the ASDT.

Other

- Undertakes other duties as required.

SELECTION CRITERIA

1. Core Competencies

- Relevant Bachelor level qualification in a geospatial related field or extensive industry experience within the geospatial sector.
- Extensive experience in geospatial systems, data, information and process improvement.
- Demonstrated experience in the identification and implementation of change in an assets-based organisation.

2. Leadership and Management

- Proven ability to provide strategic leadership in the development and implementation of geospatial strategies, plans, standards and improvement opportunities to achieve organisational outcomes.
- Demonstrated experience successfully delivering complex major business transformation projects involving significant change management.
- Proven ability to lead and manage diverse groups of people and teams and manage resources.
- Proven ability to lead, motivate, mentor and coach others.



3. Communication and Interpersonal

- Highly developed verbal, written and interpersonal communication skills, including the ability to resolve problems, negotiate and consult with a range of stakeholders.
- Demonstrated ability to work collaboratively within a team environment and effectively contribute to achieving team goals and business outcomes.

4. Conceptual, Analytical and Problem Solving

- Highly developed conceptual and analytical skills, including the ability to provide innovative solutions to solve business system problems.

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.

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

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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.

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Signature

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Date