Testing and Commissioning Engineer – Rail Systems

POSITION DETAILS

Department / Team: Lead Integrator	**Reports to (title):** Testing and Commissioning Manager
# Direct Reports: 0	**# Indirect Reports:** 0
Location: Brisbane	**Salary Banding**: AO8

THE CROSS RIVER RAIL PROJECT

The Cross River Rail Delivery Authority is building a new 10.2km rail line that includes 5.9km of twin tunnels running under the Brisbane River and CBD; with four new underground stations at Boggo Rd, Woolloongabba, Albert St and Roma St.

Once complete, it will provide trains with a much-needed alternative rail path through the core of the current SEQ Rail network, unlocking a bottleneck and allowing more trains to run more often across the whole of SEQ.

The Cross River Rail Delivery Authority is also delivering multiple supporting projects and activities in conjunction with Department of Transport and Main Road. These include accessibility rebuilds for eight surface stations, construction of three new stations on the Gold Coast; upgrades for stabling yards; track works and surface rail enhancements; and the introduction of a new ETCS digital signalling system.

Further Information: www.crossriverrail.qld.gov.au

LEAD INTEGRATOR

The Lead Integrator is tasked to provide Cross River Rail program management, coordination, and collaboration as the project transitions from the infrastructure phase to testing, commissioning, and operations. The new function serves as a central coordinating entity that brings together multiple organisations and stakeholders to integrate technical, delivery, and operational aspects of the project.

OUR VALUES AND BEHAVIOURS

WE COLLABORATE

- We treat each other with respect and speak up when this doesn't happen.
- We share information to help everyone be successful.
- We have honest conversations, no agendas or surprise.
- We are curious, asking questions to understand.
- We work through issues together and help each other.

WE INNOVATE

- We are inclusive, listening to and encouraging differing views.
- We challenge and push the boundaries.
- We apply and share our knowledge to do better.
- We seize our opportunity to set new standards and benchmarks.

WE DELIVER

- We act safely at all times.
- We do what we say we will do and when we will do it.
- We understand our individual role and how it fits into the project's success.
- We take responsibility for our work and speak up when we need help.
- We are committed to continuous development and take every opportunity to review, learn and improve the way in which we are delivering the project.

ROLE OVERVIEW

The Testing and Commissioning Engineer – Rail Systems will support the planning, coordination, and delivery of Testing & Commissioning (T&C) and staged systems integration activities across the Cross River Rail (CRR) program. Working within the Lead Integrator and under the direction of the Testing and Commissioning Package Manager, the role will collaborate with project system leads, delivery partners, technical teams, and external stakeholders to assist in the preparation, coordination, and monitoring of T&C and integration deliverables.

This role will contribute to readiness preparation, T&C coordination, documentation and reporting, and support the progressive enablement and validation of system operability as systems transition through test phases and staged migration pathways.

The position will play a key role in day-to-day coordination tasks, issue tracking and escalation, schedule and dependency visibility, and supporting governance, assurance, and interface processes to help ensure successful, disciplined delivery.

KEY RESPONSIBILITIES

- Support delivery of T&C and staged system integration activities in line with program requirements & schedules.
- Assist in coordinating inputs from system leads, operational representatives, technical SMEs, & delivery partners.
- Support the development & maintenance of T&C plans, migration documentation, readiness criteria, & status reporting.
- Support preparation and coordination of test packs, readiness submissions, and stage gate evidence.
- Coordinate interface and configuration information between stakeholders & track required updates.
- Monitor delivery progress, risks, issues, & dependencies and escalate where required.
- Maintain defect, readiness, and integration tracking registers, including status follow up and closeout support.
- Participate in coordination meetings & workshops, capture actions, follow-up items, & status updates.
- Assist in the coordination and support of control-room testing & staged capability enablement activities.
- Provide support to change control, systems engineering, & safety assurance processes by preparing inputs & managing traceability.
- Support coordination of test windows, access requirements, and dynamic testing sequencing with QR and system leads.
- Foster effective relationships across project & operator stakeholders to support collaborative delivery.
- To work in accordance with the Delivery Authority policies, procedures and safety requirements and demonstrate alignment with our values and behaviours

KEY COMPETENCIES

Technical & Delivery

- Experience in rail systems, systems engineering, T&C, or related technical coordination activities.
- Understanding of rail operational technology, T&C environments, and staged testing processes.
- Experience supporting technical delivery, planning, and documentation for complex rail or infrastructure systems.
- Knowledge of testing phases and associated documentation.
- Exposure to Dynamic Testing with ETCS / ATO desirable.

Coordination & Communication

- Strong organisational & coordination skills, able to manage multiple tasks & follow-up actions across stakeholders.
- Effective written & verbal communication skills, with ability to prepare clear reports & documentation.
- Ability to track and manage actions, risks, and issues to support disciplined delivery.
- Able to build productive relationships with delivery partners, technical teams, & operator stakeholders.

Personal Attributes

- Self-motivated & proactive, with strong attention to detail.
- Comfortable operating in a dynamic, evolving project environment.
- Curious, collaborative and willing to learn from technical & operational experts.
- Strong problem-solving & follow-through capability.

Qualifications

- Relevant engineering degree in a systems discipline, or equivalent technical experience.