

# Position Description



Position Title	<b>Systems Integration Testing Engineering Lead</b>
Position No	00084693
Delegation Level	006
Job Designation	Manager
Organisational Unit	ETCS Alliance (QR) Cross River Rail Program
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	No
Medical Fitness Standard	Refer to relevant business instructions.
Performance Plan Type	Lead Others
Shiftworker	No
Classification (Range)	Contract
Pay Scale Type	Contract
Reports to Position	Manager ETCS Engineering

## QUEENSLAND RAIL VALUES:

1 Queensland Rail - We do better together  
Treat others with respect - We appreciate everyone's contributions and differences  
Empower our people - We have confidence in our people  
Act Safely - We work safe, to go home safe  
Make a positive difference - We learn from today, to improve tomorrow

## Position Purpose

With respect to Railway Infrastructure Projects, lead the review and management of Systems Integration testing activities at a system level including field and inputs from System Integration Labs from an Rail Transport Operator's (RTO) perspective and provide technical support and direction as required for complex systems. The role will be required to interface closely with internal and external stakeholders throughout the project to ensure asset delivery in accordance with contract and Rail Transport Operator's (RTO) requirements.

## Position Responsibilities

1. As a member of the ETCS leadership team, drive the strategic direction for a broad range of Systems Integration Testing activities to meet project demands and support the QR business.
2. Support the direction of the Integration Testing Lead Site Engineer per discipline to deliver the Master Test Plan.
3. Manage and resource Queensland Rail aspects of the testing program for the System Integration testing phase of the program.
4. Take a lead role in ensuring the functional integration and correspondence testing activities for all subsystems including assuming accountability for risk mitigation and direct intervention.
5. Assume accountability for ensure independence within the project(s) for the testing function on CRR/ETCS Systems and ensure all processes and procedures are carried out in order to successfully commission the new systems into revenue service.
6. Work collaboratively with the Technical and System Engineering Teams across the project(s) and Queensland Rail to establish testing and Verification and Validation priorities and plan according to the available possessions.
7. Act as the point of accountability in ensuring all testing is

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delivered in accordance with the Project Requirements, local and international standards and reduces risk to as low as reasonably practicable.

8. Work with the Integration Testing Lead Site Engineer for each discipline to deliver opportunities to reduce integration testing time.
9. Influence and liaise with internal and external development teams to address defects and determine fit for purpose outcomes.
10. Provide technical inputs into the planning of project(s) Verification and Validation activities including procedure and plan development as a subject matter expert.
11. Support the delivery of Requirement Traceability Report (T&C) to demonstrate the requirements have been met.
12. Participate in the development and review of the procedures and processes that are required to enable testing of future changes by the RTO as part of QR Operational Readiness activities.

## **Additional Factors**

The appointee will be required to :-

- Comply with Queensland Rail's Code of Conduct;
- Observe all legal and safety obligations of the organisation;
- Travel intrastate and interstate

## **What is the key selection criteria**

1. High levels of skill in leadership and setting strategic direction in a dynamic project environment.
2. High level of interpersonal and communication skills with the ability to influence and drive strategic outcomes.
3. High level of skill in managing Systems Integration Testing programs and integrating complex technical issues into fit for purpose solutions.
4. Extensive level of knowledge of RTO requirements and of local and international Testing standards, frameworks and best practice.
5. High level of skill in managing rail corridor System Integration activities.
6. Substantial level of knowledge of governance, risk and compliance as it relates to Systems Integration Testing activities and its application to the regulation of risk mitigation for complex railway infrastructure projects.
7. High level of skill in the delivery of business focused technical and professional systems engineering solutions that deliver commercial value in area of systems integration and verification and practice including the verification of system and subsystem requirements, testing issues management and report generation.
8. Knowledge of and willingness to commit to and work within Queensland Rail's Values and Behaviours.

## **Pre-employment Checks:**

Not Applicable

## **Pre-employment Qualifications:**

**What qualifications do I need to hold prior to applying for the position?:**

20100190 Bachelor of Engineering

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## **Mandatory Qualifications (If not already held, I will gain these when in position)**

40007588 All Aboard  
30000908 Safely Access the Rail Corridor (QNRP)  
40001627 Building Emergency Procedures  
20100204 Prof Eng (Qld) Registered

## **Enterprise Qualifications (If not already held, I will gain these when in position)**

40009601 Code of Conduct Refresher

## **Health, Safety and Environment Responsibilities**

Comply with the overarching document called Health, Safety and Environment Responsibilities MD-11-6843 located in the Safety and Environment Management System.

## **Personal Protective Equipment needs:**

Refer to relevant business instructions.

## **Safety Publications**

Refer to relevant business instructions.

### **Please Note:**

Queensland Rail has a random alcohol and other drug testing program.  
Testing can occur anywhere, at any time, on any day.