

# Jeanette Aitken



Jeanette is the Chief Executive Officer of Competency Australia Pty Ltd.

Highly experienced in the areas of rail safety worker competence and management systems, Jeanette is also an engineer, trainer and assessor.

Jeanette maintains her engineering currency in the railway environment through activities such as locomotive compliance testing, electromagnetic compatibility testing and telecommunication systems design and installation.

Compliance and continual improvement are fundamental to her business approach.

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## Qualifications and Memberships

Master of Engineering Science (Telecommunications) – University of New South Wales

Bachelor of Engineering – Electrical (Hons) – University of New South Wales

Diploma of Vocational Education and Training – HBA Consulting

Certificate IV in Training and Assessment – AOL Training, HBA Consulting

Diploma in Competitive Manufacturing – Swinburne University

Diploma in Manufacturing Best Practice - RMIT

Lean Six Sigma Green Belt - Segla

Prince2 Project Management Foundation – Tanner James

Member, IEEE

Associate Member, IRSE

## Publications and Awards

Railway Technical Society Student Thesis Award – First Prize, 2002

“Train Position Determination” – Paper presented at the Australasian Convention of the Institution of Railway Signal Engineers, 2003.

## Expertise

Railway systems engineering, rail safety worker competence, training and assessment.

## Key Experience

### Competency Australia

**2010 - Present**

Chief Executive Officer, responsible for

- Development and delivery of rail industry training courses in signalling, safeworking, telecommunications, network control and operations.
- Conducting electrical, signalling, control systems, project management and telecommunications competency assessments
- Development and implementation of assessment tools for engineers, project managers and technicians.
- Conducting assessments of Rail Safety Workers to TfNSW requirements
- Maintaining Registered Training Organisation status for the company, including ensuring continued compliance with the National Vocational Education and Training Regulator Act
- Development of Competency Management Systems for Rail Operators and Authorised Engineering Organisations
- Acquiring the services of appropriate subject matter experts and trainers to ensure clients are provided with complete competence solutions.
- Development and maintenance of websites and online applications

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## **JJ Aitken & Partners**

**2009 – Present**

Consultant Engineer

Consultation to JJ Aitken & Partners on an as-need basis including the following :

- Problem solving and root cause analysis related to signals passed at danger – Hunter Region
- Statistical analysis and problem solving related to electronically controlled braking systems for freight trains.
- Audit, fault diagnosis and performance assessment of radio rebroadcast equipment for a major road tunnel in Sydney.
- Measurement and analysis of electromagnetic compatibility, recently for DTEI, South Australia, associated with the electrification of the Adelaide suburban rail system in accordance with EN50121.
- Carrying out design, testing and commissioning of communications equipment (vital and non vital) in the railway environment. Examples include Maldon passing lanes, Wallerawang and Sandgate coal loader loop extensions.
- Testing of new locomotives for compliance with signalling systems.

## **Olex (A Nexans Company)**

**2006 – 2009**

Quality Manager

Responsible for the management of a team of 13 reports, including quality engineers, electrical and mechanical testing staff. Responsible for the compliance and improvement of all aspects of the quality management system, including regulatory audits, internal audits, document management, customer complaints, corrective actions, internal non conformances and sitewide quality training programs.

## **Cochlear Ltd**

**2005 – 2006**

Quality Engineer

Responsible for the implementation of the quality assurance system, continuous improvement and product technology initiatives within the logistics supply chain for this global manufacturing operation where our goal was the drive to zero defects.

## **Macquarie Medical Systems**

**2004- 2005**

Design and Regulatory Engineer

Responsible for design of biomedical products and the compliance, maintenance and continual improvement of the quality management system.

## **JJ Aitken & Partners**

**1997 - 2004**

Engineer

Responsible for the management of numerous projects involving hardware and software design, prototyping, testing, and documentation.