

Derailment Investigation and Analysis Workshop

Face to Face Learning



This 3-day workshop provides participants with an understanding of the principles, methods and requirements for investigating derailments.

COURSE OBJECTIVES

- + Increased awareness of investigations, evidence collection and ideas of what should be included in your report
- + Correctly identify the contributing factors that caused the derailment
- + Enhance your understanding of derailment investigation methodologies
- + Gain knowledge of the impacts of operations, rolling stock and track-related contributors to derailments
- + Build an understanding of rail management and incident reduction strategies.

ABOUT THE COURSE

This course provides an overview of the mechanisms and factors that contribute to derailments, and advice on how to collect, inspect and interpret evidence.

Investigating a derailment is a complex process. Investigations must be conducted in a structured and thorough manner to correctly identify the causes of derailment and the contributing factors that led to the derailment.

Over the three days you will learn more about:

- + The investigation processes
- + Theories of derailment
- + Regulatory requirements
- + Derailment report submissions
- + The true cost of derailments to

- an organisation
- + Infrastructure derailment triggers
- + Operations derailment triggers
- + Wheel rail interface issues
- + Turnout and yard derailments
- + How human factors contributes to derailments
- + Track construction maintenance and measurements
- + Rail wheel interface.

WHO SHOULD ATTEND?

This course will benefit anyone who during the course of their duties is required to investigate derailments.

Past course attendees include:

- + Current and new rail safety investigators and inspectors
- + Operation Superintendents/Managers
- + Train and Track Engineers
- + Safety Advisors/Safety management personnel
- + Maintenance Managers
- + Employees of rail and track regulators.

HOW THE COURSE WILL BE DELIVERED

This course is facilitator-led and relies heavily on class interaction and participation, sharing your experiences from previous investigations and learning from each other.

The course is delivered using the following methods:

- + Discussion and analysis of case studies
- + ATSB reports used to enhance learning
- + Brain storming/ break out groups
- + Open discussion/question and answer sessions
- + Theoretical training on a simulated incident
- + Shared learnings.

WHAT YOU RECEIVE UPON COURSE COMPLETION

Upon successful completion of the course, participants will receive a Certificate of Achievement.

INVESTMENT

Face to Face non member \$2800
(plus GST)

Face to Face Member \$2100
(plus GST)

Organisations who wish to enrol 10 or more people to do the course should contact RiSSB (training@rissb.com.au) to discuss further discounts that may be applied to the course fee.

Please contact RiSSB (training@rissb.com.au) to find out where and when this course will be offered and the payment options that are available.