

# Undertake a Derailment Investigation (TLIF0045)

Face to Face Learning

**This 3-day course 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
- + Practical on-site assessment (where available).

## WHAT YOU RECEIVE UPON COURSE COMPLETION

Upon successful completion of the course, participants will receive a Statement of Attainment for the national qualification TLIF0045 Undertake a derailment investigation.

## INVESTMENT

**Non-member \$3040 (GST not applicable)**

**Member \$2280 (GST not applicable)**

*Organisations who are interested in enrolling 10 or more participants or having a customised inhouse course, should contact the RiSSB Training Manager at [training@rissb.com.au](mailto:training@rissb.com.au)*