

# Undertake a Derailment Investigation (TLIF5023)

Face to Face Learning



**Gain an understanding of the principles, methods and requirements for investigating derailments in accordance with RISSB's Derailment Investigation and Analysis Guideline.**

## 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.
- + 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.

## 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

## WHO SHOULD ATTEND?

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

Attendees often 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 and knowledge about derailments and gaining insights from other participants.

The course is delivered over three days 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

Participants who successfully complete all assessment activities will receive a Statement of Attainment for the nationally recognised qualification TLIF5023 Undertake a Derailment investigation issued by CERT (RTO 51333).

## INVESTMENT

**Non-member \$3496 (GST not applicable)**  
**Member \$2622 (GST not applicable)**

*In-house training is available on request.  
For more information, contact [training@rissb.com.au](mailto:training@rissb.com.au)*