

Accident and Incident Investigation

Training courses in accident and incident investigation for the Road & Rail industries



The Railways and Other Guided Transport Systems (Safety) Regulations 2006 strengthens the legal requirement for accident and incident investigation, requiring those responsible for managing safety on the railway to have the appropriate systems in place to carry out thorough investigations and identify the causes of accidents and near misses. **Our courses on accident and incident investigation help you meet your legal obligations.**

Introduction

Arthur D. Little has been delivering courses on accident and incident investigation to the rail industry for almost 20 years, built on a proven track record of delivering safety management training to organisations around the world. We have a substantial library of tried and tested course materials to draw upon and have significant experience in linking safety management to strategic and business needs.

Over the last few years we have delivered nearly 60 courses in Accident and Incident Investigation. Clients include National Express, Southeastern, Chiltern, First Group, Laing O'Rourke, Abellio Greater Anglia, Iarnród Éireann (Irish Rail) and Transport for London. We remain the favoured provider of training in this area for a growing number of companies in the GB rail industry.

We are also active in other high hazard industries such as oil and gas exploration and processing, pipelines, shipping of hazardous materials, highways and nuclear power. The wide range of industries served by Arthur D. Little ensures we remain at the leading edge of safety and risk management.

Course feedback

We consistently receive very positive feedback from our course delegates. Below are various comments made by those attending recent deliveries of our programme:

"An extremely helpful course. I've gone from someone who investigates incidents to an incident investigator"

Driver Manager

"I would recommend the course for anyone who has a responsibility to take part in accident/incident investigations"

Head of Operations

"I found the course enjoyable and informative. I believe the information that I have learnt will help me in my role"

Head of Driver Training and Simulators

"Very helpful and informative"

Logistics Manager

"Good use of personal experience to give examples"

Depot Manager

"Brilliant course, I have learnt a large amount that I will be able to utilise for my role. Excellent presenters and good course content"

Technical Services Engineer

We offer the following courses in Accident and Incident investigation:

Foundation Course

A two-day comprehensive introduction to the accident investigation process, developed in line with RSSB guidance on accident investigation.

This course is applicable to rail industry managers and professionals who may at any point be involved in accident and incident investigation. A case study in several distinct parts is used to support the briefing sessions and the course concludes with a one-hour written exam.

On successful completion of the course delegates will:

- Understand the purpose and objectives of investigation.
- Understand the broad process of investigation.
- Be able to apply basic analytical tools to accident investigation, such as underlying cause and barrier analysis.
- Understand the principles of evidence gathering and how to prioritise evidence-gathering activities.
- Understand the role human factors play in accidents and their prevention.
- Be able to plan and conduct witness interviews.
- Be able to write effective investigation reports where evidence is traceable through to appropriate conclusions and recommendations.

Extended Course

This three-day course combines the two-day *Foundation Course* with an additional module on investigatory report writing – the key to good accident and incident investigation.

The *Investigatory Reporting Module* includes additional case study material and practical examples to reinforce learning.

In addition to the learning objectives listed for the Foundation Course, on successful completion of the course delegates will:

- Understand the importance of an effective report in securing action in response to its recommendations.
- Be able to break reports down into clear sections, including sequence of events, summary of evidence, summary of deliberations, conclusions and recommendations.

Investigation Management

A two-day workshop aimed at senior staff responsible for more complex investigations or involved in the governance of the investigatory process. The workshop addresses advanced topics such as setting investigatory remits, selection of analytical methods, presentation of evidence, guidance on the evaluation of reports, drawing recommendations and organising the investigation of major accidents.

On successful completion of the course delegates will:

- Have a refreshed familiarity with the core concepts and tools of the standard course.
- Be familiar with current relevant standards and legislation.
- Be able to set and make effective use of remit.
- Be able to apply sophisticated analytical tools to investigations, such as fault and event trees and “bow tie” analysis.
- Understand how to present evidence in the investigation report and factors influencing admissibility in court.
- Be able to review reports prepared by others and assess their suitability.
- Understand the principles of managing major incidents, particularly those involving the media.

Our programme is delivered as a highly interactive two-day course, designed to enhance strategic management of safety in today's commercial environment.

We also offer a one-day **Refresher Course** of selected course modules, tailored to your particular requirements, to supplement previous training. We can also provide guidance or support during investigations.

All of our courses are designed for delivery to approximately 18 delegates, facilities permitting, to allow for the necessary interaction with the two course tutors who deliver each course. We provide a complete copy of course materials to all delegates, including a pre-reading handbook and a copy of the course presentation materials, plus a certificate of attendance.

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