

# HSL: Principles of Incident Investigation and Failure Analysis – 6 July 2017

## Book Course

HSL is to run a 1 day course on Principles of Incident Investigation and Failure Analysis.

**6 July 2017**

## **Introduction**

The ability to carry out a detailed and accurate mechanical failure analysis is a key skill for many sectors of industry particularly engineering, manufacturing and research and development. From costly delays in production due to the failure of vital plant or tooling through to catastrophic failures with potential insurance and safety implications; all require the application of scientific analytical methods of inquiry.

HSL are offering a unique opportunity to engage directly with our incident investigation professionals and take full advantage of our decades of failure analysis experience. This course is aimed at individuals or companies that maintain, contract or are seeking to develop failure analysis capability. While the course will focus primarily on the investigation of mechanical and engineering failures, many of the principles covered will be directly transferable to investigations of any type. The course will explain the common strategies and tactics of the failure analysis process from the initial response through to presenting your findings.

The course will address the following areas:

- Roles and responsibilities
- Strategy and tactics of incident investigation and failure analysis
- Initial Inspection
- Identification and collection of evidence
- Record and note keeping
- Common failure mechanisms
- Establishing cause and contributory factors
- Engaging scientific support
- Presenting your findings

## **Who should attend**

This entry level course would be most useful for H&S managers, insurance professionals, design and process engineers and other professionals seeking to better understand the forensic, scientific and analytical process.

## Venue

The course will be run at the HSL laboratory in the spa town of Buxton. Buxton is in the heart of the Peak District and has good links to mainline train stations and Manchester International Airport.

Details of hotels in the Buxton area can be found at [www.visitbuxton.co.uk](http://www.visitbuxton.co.uk)

## Cost

The cost of this course is £600 per person (includes course notes, certificate of attendance and lunch/refreshments).

[Book Course](#)

**Please note the invoice option is not available within 4 weeks of the course date, or for overseas customers. If you are selecting the invoice option for payment, it will be mandatory to input a purchase order/reference number as we are unable to process booking forms without this.**

For further dates and additional information email: [training@hsl.gsi.gov.uk](mailto:training@hsl.gsi.gov.uk) or contact the Training & Conferences Unit at HSL directly on +44 (0)1298 218806.

[Back to Health & Safety Training Courses](#)

[Back to the top](#)

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## **HSL: Upper Limb Disorders Risk Assessment of Repetitive Tasks – Buxton, 13 July 2017**

[Book Course](#)

HSL is to run a 1 day course on Upper Limb Disorders Risk Assessment of Repetitive Tasks.

**13 July 2017**

## **Introduction**

Musculoskeletal Disorders (MSDs) are the most common occupational illness in Britain affecting over 500,000 people a year. Nearly half of these illnesses are joint injuries and repetitive strain injuries of various sorts affecting

the upper limbs.

To support employers, health and safety professionals and inspectors with risk assessing repetitive work, the Health and Safety Laboratory and Health and Safety Executive have developed the Assessment of Repetitive Tasks (ART) tool. Launched in Spring 2010, the ART tool is used to assess the frequent handling of light loads or other repetitive tasks that can contribute to upper limb disorders (ULDs).

This course will equip you with the knowledge to use the ART tool to help recognise, assess, and reduce upper limb disorder risks in your organisation. It will benefit those already involved in workplace MSD risk management (e.g. manual handling risk assessments) who wish to expand their knowledge on the topic of upper limb disorders.

## **What will the course cover?**

- Common ULDs and their development
- Key ULD risk factors
- ULD risk management (including legal duties)
- ULD risk assessment using the ART tool
- Practise using the ART tool with case studies
- ULD risk controls

## **Who should attend?**

Employers and their representatives who wish to undertake or improve ULD risk assessment and control within their organisation

Health and safety or occupational health professionals who wish to learn about the ART tool, or further their abilities in this area.

The course is targeted at organisations that carry out some manual production, processing, packaging, packing, and sorting activities. The course will not cover assessment of Display Screen Equipment (DSE)

Previous experience of manual handling risk assessment is beneficial but not required.

## **Venue**

The course will be run at the HSL laboratory in the spa town of Buxton. Buxton is in the heart of the Peak District and has good links to mainline train stations and Manchester International Airport.

Details of hotels in the Buxton area can be found at [www.visitbuxton.co.uk](http://www.visitbuxton.co.uk)

## **Cost**

The cost of this course is £450 per person (includes course notes, lunch and refreshments).

## [Book Course](#)

Please note the invoice option is not available within 4 weeks of the course date, or for overseas customers. If you are selecting the invoice option for payment, it will be mandatory to input a purchase order/reference number as we are unable to process booking forms without this.

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[Back to Health & Safety Training Courses](#)

---

# **HSL: Site and Transport Safety – Birmingham, 12 July 2017**

## [Book Course](#)

HSL is to run a 1 day course on Manual Handling for Assessors.

**12 July 2017**

## **Introduction**

Manual handling is one of the main causes of musculoskeletal disorders (MSD), which are the second most common occupational injuries within the UK and make up nearly half of all work-related ill health seen by general practitioners (GPs) are MSD related. The most recent HSE statistics on MSDs show a 20% increase in MSDs with **184,000** new cases (2013/14), around 80 per cent of which are attributable to work conditions.

Prevention and control of work-related musculoskeletal disorders (MSD) is a major priority and as such HSE have published a simple but effective risk assessment method called the MAC tool. This enables risk identification of key manual handling risk factors so that these can be eliminated or managed in the most cost effective way.

This course will equip you with the knowledge to help recognise, assess and reduce manual handling risks in your organisation. It is suited to employers and employee representatives who intend to begin the process of manual handling risk assessment and control within their companies. It will also benefit those already involved in manual handling risk reduction who require more formal or in-depth training in this subject, including training in the use of specific manual handling assessment tools.

## **The course will cover:**

- Principles of manual handling
- Understanding injuries
- Common types of injuries
- Legal aspects
- Key risk factors
- Manual handling risk assessment (MAC and L23)
- Pushing and pulling
- Control and reduction of risk
- Key principles of good handling techniques
- Case studies

## **Presenters include:**

- Matthew Birtles, HSL – Ergonomics specialist in MSDs

## **Venue**

The course will be run at the HSL laboratory in the spa town of Buxton. Buxton is in the heart of the Peak District and has good links to mainline train stations and Manchester International Airport.

Details of hotels in the Buxton area can be found at [www.visitbuxton.co.uk](http://www.visitbuxton.co.uk)

## **Cost**

The cost of this course is £450 per person (includes course notes, lunch and refreshments).

### [Book Course](#)

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[Back to Health & Safety Training Courses](#)

[Back to the top](#)

---

# **HSL: Procedures: Making Sure Yours Works – Buxton, 17-18 May 2017**

## Book Course

HSL is to run a 2 day course on Procedures: Making sure yours work.

**17 – 18 May 2017**

**Are you frustrated by workers in your organisation not following procedures?**

**Are procedures a recurring factor in your accidents and near misses?**

**Do you struggle to adhere to generic company procedures that don't reflect the reality of your work context?**

**Do you feel that you have too many procedures or they're just not useful but you don't know what to do about them?**

If you've answered yes to any or all of these questions, you are not alone and this course is for you.

Having good and effective procedures is something that marks out organisations that perform better on health, safety and environmental performance – and on wider business and quality performance too. A core set of valued, useable and user-friendly procedures underpins good and consistent performance. But it's not about having lots of procedures (or long ones), it's about having the right procedures for the right things and keeping them simple and concise.

This new HSL course is designed to help you review existing procedures effectively and equip you with the capability to write new ones. It is based on human factors good practice in designing, developing and writing procedures and other job aids and enhancing compliance. It makes good use of HSL's wide industry experience in this area and its in-depth knowledge of what makes good procedures and setting up the physical and social context which will encourage people to use them. The course is aimed at procedure writers and reviewers (and those that manage this process) and provides practical focus on 'the 'how' as well as using your own-company procedure examples to work on.

Those who attend will learn: the human factors principles that apply to good procedures; how to apply these practically to develop, design, review and write effective procedures; and what underpins compliance with procedures. The course provides some simple tools and guidance to help procedure writers and reviewers improve key procedures consistently and simply.

The course is suited to groups from organisations who are involved in procedure writing and review, either as single courses or working alongside

similar groups from other organisations. The open course will run at the HSL Buxton site but the course can be delivered at your own site if there are suitable training facilities and access.

The course will be run at the HSL laboratory in the spa town of Buxton. Buxton is in the heart of the Peak District and has good links to mainline train stations and Manchester International Airport.

Details of hotels in the Buxton area can be found at [www.visitbuxton.co.uk](http://www.visitbuxton.co.uk)

The cost of the course is £1,100 per person (includes course notes, lunch and refreshments).

[Book Course](#)

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[Back to Health & Safety Training Courses](#)

---

## **HSL: COSHH Training – Practical Assessment and Control – Buxton – 6-7 Sept 2017**

[Book Course](#)

HSL is to run a 2 day course on COSHH Training – Practical Assessment and Control.

**6-7 September 2017**

This two day course gives detailed and practical training on carrying out COSHH assessments and, crucially, putting the assessment into practice to control substances hazardous to health.

Many people tasked with COSHH assessments are unsure what is required or where to get information. Once the initial assessment is complete, they are often uncertain on how to approach control, and how to judge when control is adequate. This course aims to give that knowledge and those skills.

Day one covers assessing exposure and risk and includes case studies and the

chance to work through examples. Day two moves on to implementing exposure controls that are effective and reliable, and includes practical demonstrations. The focus for both days is on practicality and effectiveness.

- Hazardous substances and risks from over exposure
- COSHH regulations and what they mean in practice
- Guidance and finding information
- Assessments and action plans
- Adequate control, understanding limits, the principles of good control practice
- Hierarchy of control and reliability
- Reducing exposure by process change and substitution
- Choosing and using effective LEV
- Choosing and using RPE
- Skin and ingestion exposure
- Choosing and using PPE

The course will benefit anyone tasked with completing COSHH assessments and/or implementing controls, whether for the first time or to improve skills. This will typically include managers and supervisors and safety officers. Health and safety professionals looking to refresh or update their skills may also benefit but please note that the course assumes no prior knowledge and therefore includes basic concepts and information.

The course will be run at the HSL laboratory in the spa town of Buxton. Buxton is in the heart of the Peak District and has good links to mainline train stations and Manchester International Airport.

Details of hotels in the Buxton area can be found at [www.visitbuxton.co.uk](http://www.visitbuxton.co.uk).

The cost of the course is £750 per person (includes course notes, lunch and refreshments).

#### **Comments & Feedback**

"The knowledge gained from the trainer was exceptional."

***Sean Thackwell, BOC Group Limited***

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[Back to Health & Safety Training Courses](#)

[Back to the top](#)