Chemical Business Association

Human Reliability Analysis An Introduction for Supply Chain Companies

HRA

28th April 2025
09:30 – 16:00
HYBRID: ONLINE / CREWE

Member Rates		Non-Member Rates	
Online	£250 + VAT	Online	£350 + VAT
In Person	£270 + VAT	In Person	£370 + VAT

Have you made your operator tasks as safe as possible? Can you demonstrate that?

The competent authority expects major accident hazard sites to take all measures necessary to prevent and mitigate the consequences of major accidents. This includes Human Factors, and applies to warehousing, distribution, blending, etc, at upper and lower tier COMAH sites.

Human Reliability Analysis (HRA) is a qualitative approach used to identify potential human failures that may occur when a task is undertaken, identify and categorise the types of human failure, the consequences of those failures, and develop actions to reduce the likelihood and/ or mitigate the consequences of a failure.

This course will introduce the concepts and methodology of an HRA as it is applied to safety critical tasks – those tasks associated with a site's major accident hazard where any error in the execution of the task may potentially result in a major accident hazard.

By the end of the course, candidates will be able to undertake simple HRAs, or to usefully contribute to more complex HRAs led by a Human Factors practitioner, and be an intelligent customer of Human Factors services.

The course will be delivered in the context of chemical businesses, drawing on relevant case studies and industry specific experience.

The course agenda includes:

What is Human Factors and Human Reliability Analysis

- **The guidance and expectations of the competent authority**
- **Identifying relevant tasks**

Task Analysis

- **Capturing the task steps**
- **Hierarchical Task Analysis – identifying steps where error can occur**

Understanding Human Failures – a taxonomy and definitions

- **Error guidewords**
- **Human Failure types**
- **Performance Influencing Factors**
- **Techniques for reducing Human Failure rates**

Putting it all together - completing an HRA worksheet

- **Case studies**
- **Practical exercises**

Presented in association with HadenFreemanC.I. CONTINUOUS IMPROVEMENT

To book your place on this event, please complete the form overleaf & email it to events@chemical.org.uk

Compliance++

Chemical Business Association, Group House, Southmere Court, Electra Way, Crewe, CW1 6GU
Tel: 01270 258200 | Fax: 01270 258444 | Email: info@chemical.org.uk

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BOOKING FORM

Company				
Address				
Telephone No.		Fax No.		
Booked by				
Email Address				
Membership Category	Member		Non-Member	
Purchase Order No				
Accounts Dept Email Address				

DELEGATE DETAILS

Name (First & Surname)	Email Address	Attendance	
		Online	In Person

Any special dietary requirements? *(only applicable if attending in person)*	
Please tick here if you wish to opt out of receiving details of future events and presentations organised by the Chemical Business Association	

This event is subject to our standard / extended cancellation policy and by making a booking you agree to abide by our terms and conditions. For full terms and conditions, please visit https://www.chemical.org.uk/wp-content/uploads/2021/10/Terms-Conditions-Oct-2021-1.pdf
Confirmation of booking will be issued by email once the booking has been processed. Joining instructions will be sent out by email approximately one week prior to the event

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