



**Chemical
Business
Association**



Human Reliability Analysis – An Introduction for Supply Chain Companies

HRA

15th March 2024

10:00 – 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

Copies of an HRA pro-forma is provided

Presented in association with  **HadenFreeman C.I.**
CONTINUOUS IMPROVEMENT

To book your place on this event, please complete the form overleaf & email it to events@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 |
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| 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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