

Human Factors SCTA Course

Learning objectives

- Be able to facilitate Safety Critical Task Analysis (SCTA) projects, workshops & walkthroughs
- Understand regulatory context
- Identify different the four types of human failure and what to do about them
- Be able to apply task analysis best practices
- To understand and apply failure and PIF (Performance Influencing Factors) analysis
- Awareness of practical hints and tips for successful workshops and walkthroughs
- Good grasp of SCTA outputs, i.e. SCTA report, procedures and competence standards
- Explore the ways in which these methods can achieve production and quality objectives



What does our blended online learning involve?

This course includes over 20hrs of video talks, quizzes, activities, workshops and webinars. Participants will engage with a detailed road tanker offloading case study as part of the course, which has a high degree of vulnerability to different types of human failure.

Overview of programme

Everyone starts with the mini-course as a precursor, this gives an overview and flavour of the course while allowing participants to check they can access to the platform. Participants have a choice of different streams. **Intensive** and **Extended** courses have live group webinars, whereas the **Self-directed** course has recorded webinars and more 1-to-1 feedback. This is designed to give delegates maximum choice and flexibility to suit their schedule and learning style.

Intensive Kick-off + 1 week	Week 0 Mini-course	Monday Kick-off Webinar A	Tuesday	Wednesday	Thursday	Friday
	Week 1	Monday Modules 1-3 Webinar B	Tuesday Module 4 Webinar C	Wednesday Module 5 Webinar D	Thursday Modules 6-8 Webinar E	Friday Modules 9-10 Webinar F

Extended 5 weeks	Week 0 Mini-course	Week 1 Modules 1-3 Webinars A&B	Week 2 Module 4 Webinar C	Week 3 Module 5 Webinar D	Week 4 Module 6-8 Webinar E	Week 5 Modules 9-10 Webinar F
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Self-directed To delegate's own schedule	Week X, Y, Z...					
	Mini-course	Modules 1-3 Webinars A&B	Module 4 Webinar C	Module 5 Webinar D	Module 6-8 Webinar E	Modules 9-10 Webinar F

Modules

1. Human Factors for Process Safety
2. Overview of Safety Critical Task Analysis
3. Human Failure and non-compliance
4. Foundations of task analysis talks
5. Task analysis: industry case study workshop
6. Failure and PIF analysis (a) foundation
7. Failure and PIF analysis (b) demos
8. Failure and PIF analysis (c) workshop
9. Practical advice on running workshops and walkthroughs
10. SCTA outputs and impact talks

Course includes

- Six webinars with experienced trainers from HRA.
- Feedback on task analysis, failure analysis and PIF analysis.
- Access to the Human Reliability Academy SCTA course materials for two months.
- Access to the Human Factors Risk Manager (HFRM) software for two months. This is a useful teaching aid. SCTA can be done without the software but it is more efficient and effective with it.

Bonus material

- Screening of 'Fall from Grace' video [during course]
- Safety critical task identification and prioritisation [recorded webinar]
- Adv use of the HFRM tool: rating PIFs, quantification, incident analysis [recorded webinar]
- Embedding SCTA in an organisation [recorded webinar]

Testimonials

- *"The Safety Critical Task Analysis course delivered remotely by HRA Ltd. covered all the elements of SCTA that I wanted out of the course and also provided some very useful hints and tips. The use of video and webinars offers a very effective and productive way of delivering training on this topic and we will be looking to make greater use of this in the future."* Dylan Peters, Snr Staff HES Engineer, Valero Pembroke Refinery.
- *"This is a course all [Major Hazard Industries] in Singapore should consider as it helps participants acquire the needed knowledge, not only to drive human reliability improvement, but also to meet the Human Factors aspect of the local Safety [Regulations]."* Process Safety Manager
- *"Flexible modular course focussed on HF & SCTA with use of practical examples to enable HSE professionals, operations and engineers get onto the first rung of the SCTA ladder to improve task based procedures and competence assurance - a must for anyone working on a MAH site."* HSE Manager

HRA's: Human Factors Safety Critical Task Analysis (SCTA) Course programme for 2021/2022

These tables show the dates for the planned SCTA courses 2021/2022.

People who would like to take the self-directed option can sign-up to the course at any time.

2021

When	Course	Type	Notes	Dates	Time zone friendly?
June	SCTA	Online – 1 week	In partnership with the Energy Institute (EI)	7, 14, 15, 16, 17, 18 June	UK afternoon webinars, starting about 3:00pm
Autumn	SCTA	Online – 5 weeks		1, 6, 8, 15, 22, 29 Oct	UK Webinars 8:30-10am. Asia/Pacific.
Nov	SCTA	Fact to Face 2 days	In partnership with the Energy Institute (EI)	15, 16 Nov	
Winter	SCTA	Online – 1 week		24, 29, 30 Nov 1, 2, 3 Dec	UK Webinars 3:00-4:30pm. N.America.

2022

When	Course	Type	Notes	Dates	Time zone friendly?
Spring	SCTA	Online – 1 week		March	UK Webinars 8:30-10am. Asia/Pacific.
	SCTA	Online – 5 weeks		March	UK Webinars 3:00-4:30pm. N.America.
May	SCTA	Fact to Face 2 days	In partnership with the Energy Institute (EI)	TBD	
Summer	SCTA	Online – 1 week		June/July	UK Webinars 3:00-4:30pm. N.America.
	SCTA	Online – 5 weeks		June/July	UK Webinars 8:30-10am. Asia/Pacific.
Autumn	SCTA	Online – 1 week		Sept	UK Webinars 8:30-10am. Asia/Pacific.
	SCTA	Online – 5 weeks		Oct	UK Webinars 3:00-4:30pm. N.America.
Nov	SCTA	Fact to Face 2 days	In partnership with the Energy Institute (EI)	TBD	

Costs

- The cost of the course is £1,500 + VAT per delegate.
- Existing HFRM software clients can receive a further discount on request.
- Organisations booking 3 or more delegates on to the course can claim a 10% discount.

Contact

Please contact us to sign-up or if you have any questions.

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