

Understanding Safety Cases: Development, maintenance and your responsibilities

COBHAM

21 April and 21 October 2010

Cobham Technical Services
ERA Technology AccessERA



Safety cases provide a formal argument, supported by evidence, that a system is acceptably safe for a given application in a specified environment. This course draws on best practice from a variety of situations and uses Cobham Technical Services' extensive experience in both assessing and developing safety cases in accordance with commercial and military safety critical systems requirements.

This course is designed for those responsible for developing and managing safety cases, and also anyone who is required to accept a safety case or safety case report as a deliverable from a contractor. The course explains why safety cases are required and how to present a safety case in the most compelling manner. It will provide middle and senior managers with the confidence to know if a safety case is complete and sufficient for the Duty Holder to demonstrate his duty of care.

This course will:

- Provide a historical foundation for the legal requirements for a safety case
- Explain the terms used and give hands-on practice in developing a system loss model
- Facilitate a risk assessment and ALARP workshop
- Demonstrate the variety of methods of producing safety case arguments.

Your programme

08.45 Registration and refreshments

09.00 Introductions

09.15 Purpose of a safety case

- Key reasons for preparation of a safety case
- Discuss historical incidents and their impact on legislation
- Corporate manslaughter and current legislation.

10.00 Safety concepts

- Safety definitions
- Principles of hazards identification and risk assessment.

10.30 Refreshments

10.45 Hazard log management

- Development of the loss model
- Risk management through the loss model
- Maintenance of the hazard log.

11.15 Risk assessment and ALARP master class

- Application of the principles of risk assessment
- Exploring the application and limitations of the ALARP principle.

12.30 Lunch

13.30 Safety case methodology

- Development of a safety case argument
- Syndicate exercise.

14.30 Refreshments

14.45 Case study on use of GSN
(Goal Structuring Notation)

15.15 Other safety argument construction software

- Examples of the use of safety case argument software tools using:
 - GSN
 - Claims, arguments and evidence.

15.45 Safety case report structure

- Examples of report structures as provided in standards and other recognised publications.

16.15 Summary

16.30 Close.

Ministry of Defence, delegate spring 2009

"Provides an excellent starting point for learning and understanding safety cases"

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Your speakers



Beth Bateman - Senior Safety Engineer, Cobham Technical Services

Beth has undertaken a range of safety engineering activities including provision of safety and human factor consultancy and safety assessment activities. Working in the defence, aviation and rail industries she has provided consultancy and support to ensure applications are safe, developed and managed in accordance to the appropriate standards. Beth has also led and contributed to many research projects at Cobham Technical Services.



Michael Salter - Senior Consultant, Cobham Technical Services

Michael has over 20 years' experience working in aviation design, operating management and procurement in the civilian and defence sectors. Since working at Cobham Technical Services Michael has worked as an independent safety advisor for the MoD in their through life management of the Hercules C130 and E3D. He also represents Cobham Technical Services on the SBAC Military Aviation Safety Group and the MoD Joint Airworthiness Committee.

Booking form

Please photocopy this form if you wish to register more than one delegate. Send a second person at a discounted price!

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Name <small>Dr Mr Mrs Miss</small>
Job Title
Organisation
Address
Postcode
Telephone
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<input type="checkbox"/> Please tick if you are happy to receive further information about Cobham Technical Services via e-mail. It is our policy NOT to supply your details to third parties.

Bookings

I wish to make a firm booking for:

Understanding Safety Cases:

Development, maintenance and your responsibilities

21 April 2010 Ref: 31011 21 October 2010 Ref: 31039

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Fee rate	Fee	VAT@15%	Total	Please tick
Early Booking Rate	£430.00	£64.50	£494.50	
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Venue:

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Early booking rates:

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Enquiries:

Please contact The Events Team by calling: +44 (0)1372 367439 or e-mail: era.events@cobham.com.

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