

TS33



Successfully Managing OEM Safety Assessments & Operator Safety Cases



Subject
Leader

Duane Kritzinger

Our Systems Safety expertise is guided by Duane Kritzinger. Duane possesses over 15 years' experience in aircraft system safety engineering.

Duane's extensive experience includes roles as Principal Safety & Certification Engineer at Marshall Aerospace (Cambridge) and Head of Safety Engineering for BAE Systems in Australia. He has also been involved in conducting training and consultancy in the SMS and SSA field for several years. Duane is the author of *Aircraft System Safety: Military and Civil Aeronautical Applications*.

"I was very pleased with the course. I have obtained valuable tools, which I can use to ensure safety on any design... that I may be involved with"

Course Reference
TS33

Duration
2 Days

Venue
Aviation Safety Academy,
Fairoaks Airport, Surrey

Dates and Online Booking:
www.bainessimmons.com

Open Training Fee
£790.00 + VAT

Legislation generally requires the production of a written justification that a system is acceptably safe. Developing an effective and demonstrable Safety Case however requires more than just understanding your legal obligations and an ability to assess hazard and risk. The commercial implications can be great if all the elements of a Safety Case are not properly considered along with the relationships and expectations of the different stakeholders. Conducting Safety Assessments can be expensive and, coupled with the financial implications resulting from possible delays in system deployment, costs can be significant; making it all the more important that Safety Assessments are managed effectively and the Safety Case is successful.

How will this course benefit me?

This two day course draws on best practice from across the industry and will:

- ▶ Empower Project Managers/Team Leaders in the efficient control of safety related activities
- ▶ Ensure your Safety Case provides concise and useable results
- ▶ Improve your ability to meet safety targets, even in challenging systems such as Avionics
- ▶ Improve your ability to manage relationships more effectively between the safety expectations of your authorities, operators and suppliers
- ▶ Give you greater confidence to understand and integrate your suppliers' System Safety Assessments

Is this course right for me?

This course is specifically designed to help anyone involved in the design, reliability, safety or certification of aircraft systems. It is suitable for representatives from:

- ▶ Manufacturers
- ▶ Suppliers
- ▶ System integrators
- ▶ Operators
- ▶ Regulators/National Approval Authorities

This includes:

- ▶ Airworthiness/Safety/Reliability Engineers
- ▶ Quality Assurance Managers
- ▶ Design Managers
- ▶ Safety System Managers

This course would also benefit:

- ▶ Representatives from the military who wish to gain an understanding of the principles behind effective development of Safety Assessments in the civil aviation environment
- ▶ Higher level engineering students

Prerequisites:

Some experience in conducting, managing or approving safety related deliverables will be of benefit in understanding the concepts, advantages and limitations discussed.

Training Course Advice

Tel: +44 (0)1276 859 519 Email: training@bainessimmons.com

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About Baines Simmons

Our expertise and enthusiasm have made us trusted partners to more than 300 of the world's leading aviation organisations in 43 countries. We support over 30 National Regulatory Authorities.

We act as aviation safety experts, airworthiness advisors and safety culture change consultants with offices in UK, North America, Australia and Hong Kong.

The Baines Simmons Difference

To get the best from people we believe you must not only enhance their skills, but also awaken their drive, enthusiasm and belief that they can make a difference. To achieve success we focus on inspiring participants in the will to professionally succeed. We believe it is the combination of desire as well as skills that determines success.

Why use Baines Simmons?

Experience training courses that deliver tangible results. Our Training Consultants are selected and developed to lead and deliver programmes that meet your needs and facilitate long-lasting outcomes.

Much more than just trainers, we support organisational change and help to implement best practices, improve compliance, reduce risk and save money by working with all levels of your business from directors and managers to shop floor personnel.

Key areas of focus

- ▶ The need for, and benefits, of Safety Management Systems
- ▶ How a Safety Case fits into a Safety Management System
- ▶ Relationship between the Hazard Log and the Operator Safety Case
- ▶ Relationship between the Hazard Log and the OEM Safety Assessment
- ▶ Integrating the system safety expectations of authorities, operators and suppliers
- ▶ The advantages and limitations of military (e.g. Mil-Std 882, Def Stan 00-56) vs. civil (e.g. AC25.1309) approaches to safety
- ▶ How to derive safety targets for systems; and how to prove safety target accomplishment for mechanical and avionics systems
- ▶ Product safety lifecycle, and impact on deliverables

Course format

This course is a balanced mix of group discussions, flip chart work and PowerPoint presentations. Case studies will be used throughout to highlight key points.

Course level

General	Detailed	▶ Specialised
Familiarisation with the principal elements of the subject	Detailed knowledge of theoretical and practical aspects of subject	▶ Detailed process-oriented knowledge of theoretical and practical aspects of subject*

*While specialised in nature, this course mixes general elements aimed at Managers who require a "big picture" understanding of the subject.

Assessment process

Method: Course assessment and feedback from facilitator.

Course size

16 persons maximum for open course or on-site at your facility

Related courses

TS01 Safety Management Systems – Essentials for Managers

TS06 Hazard Identification, Risk Assessment and Control

Contact us

To book your place on this course, please visit our website at www.bainessimmons.com where you can book and pay for your places online. Alternatively, please call us on +44 (0)1276 859 519 and speak to our training advisers who will be happy to discuss your needs and assist you with your bookings.

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