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
- 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.
Successfully Managing OEM Safety Assessments & Operator Safety Cases

**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 avionic 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**

<table>
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<th>General</th>
<th>Detailed</th>
<th>Specialised</th>
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<tr>
<td>Familiarisation with the principal elements of the subject</td>
<td>Detailed knowledge of theoretical and practical aspects of subject</td>
<td>Detailed process-oriented knowledge of theoretical and practical aspects of subject*</td>
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*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.