

Introduction to the Structural Certification of Aircraft Interiors

Booking Form

Date of Seminar	
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Delegate's Contact Details

Name	
Position	
Company	
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Select Payment Method

<p>BACS Payment. (Please enclose a copy of the draft)</p> <p>Bank transfers (BACS): Barclays Bank Plc, 1 Bridge Street, Stockport, SK1 1XU, United Kingdom. IBAN: GB29 BARC 20821463869482 SWIFTBIC: BARCGB22</p>	<p>Enclose a cheque/purchase order £450.</p> <p>Make payments to: Jura Carbon Ltd, 1 Coniston Road, High Lane, Stockport, SK6 8AW, United Kingdom.</p>
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Date	
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Introduction to the Structural Certification of Aircraft Interiors

One-Day Seminar: *Stowage Unit Interface Loads*

Participants will learn:

- Stowage Modelling Philosophy
- Validation of Interface Loads
- Interface Load Report Content

Date	Venue
Monday 11th May 2015	Bletchley Park, Milton Keynes
Monday 8th June 2015	Manchester University Crewe Campus, Crewe
Monday 22nd June 2015	National Motorcycle Museum, Birmingham
Monday 6th July 2015	Royal Court Hotel, Coventry



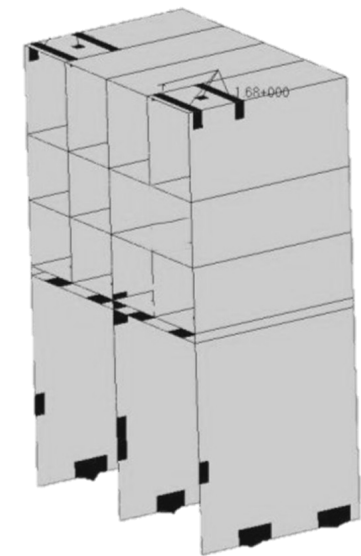
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Introduction to the Structural Certification of Aircraft Interiors

One-Day Seminar: *Stowage Unit Interface Loads*



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Introduction to the Structural Certification of Aircraft Interiors

Aircraft interiors such as Stowage units, Galleys and Flight Crew Rest Compartments (FCRCs) require structural certification for airworthiness. The certification procedure of aircraft interiors includes the major structural documents of:

- **The Interface Loads report**
- **The Stress Analysis report**

Both reports should be detailed, logical and comprehensive enough to provide convincing high quality analytical methodology and data to enable the ever diligent document checking authority to approve the submitted documents with little question.

The one day seminar on Stowage unit Interface Load report reveals a progressive methodology, associated FEA and mathematical analysis. FEA model build and quality checks, contents weight, location and centre of gravity determination and analytical confirmation. Body loading and internal contents loading technique, leading to the method of obtaining the all important Interface loads.

This presentation should cover most aspects necessary to produce a detailed and confident document.

What will the seminar include?

This seminar will include:

- * **Presentations**
- * **Discussions**
- * **Generic case study**
- * **Hands-on Practical Exercises**

Programme

- 09:00** Introduction and Refreshments
 - 09:30** The Report structure
 - 10:00** Materials and joints
 - 11:00** Typical Stowage structure
 - 12:45** Lunch
 - 13:15** Stowage Loading technique
 - 14:00** Mass check procedure
 - 15:15** Refreshments
 - 15:30** FEA Stowage modelling
 - 16:00** Interface Loads
 - 16:30** Quality control
 - 16:45** Course Review and Close
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Who should attend?

The seminar is suitable for Stress or Certification Engineers, Technical Managers and Consultants with no or little experience on producing structural certification documents, in particular if experiencing difficulty in obtaining acceptance of your submitted reports.

Other Courses

Other courses include:

- **Stowage Stress Report**
- **Galley Interface Load Report**
- **Galley Stress Report**
- **FCRC Report**

Please enquire if you have interest in these courses.

Seminar Leader

Dr. Warren Leigh has worked on over seven different types of aircraft during his career from the BAe 146, T45-Goshawk, Boeing 777 to the A380. This includes Aircraft Galleys, Stowage Units and Flight Crew Rest Compartments (FCRC) since 2004 for British-based aircraft interior companies. He has produced Interface Load and Stress reports for Afriqiyah Airways, Air Namibia, Britannia Airways, Cathay Pacific, China Eastern Airlines, Etihad Airways, GECAS, Iberia, Sichuan Airlines, South African Airways, Thai Airways, Thomson and Turkish Airlines. He has held meetings with the Certification approval consultancy in their offices Hamburg, Germany to appreciate and implement their strict vetting and high quality requirements for the approval of submitted Certification documents. He has 40 years engineering experience.

Price

£450 per person including VAT (Refreshments and lunch included). Substitutions may be made at any time. Bookings cancelled less than 14 days prior to the event will be charged in full.

Enquires for Booking

To book a place at this event please complete the booking form overleaf or book online.

Book online: www.green-power.org.uk

Telephone: 0044 (0) 7980 545231



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