



2010 Flight Test Group
Conference

SETP/ SFTE 4th European Flight Test Safety Workshop

28th – 29th September 2010

Royal Aeronautical Society,
No.4 Hamilton Place, London
W1J 7BQ

Synopsis

The history of flight testing is full of examples of both "professional" and "amateur" approaches to the subject. What makes the difference? This workshop's theme is an attempt to focus discussion on flight tests where the participants' skill sets, knowledge, and experience levels proved critical to safe and successful program completion.

The theme of the 4th Annual European Flight Test Safety Workshop is ***“Flight Test Professionals – skill sets, knowledge and experience critical to successful and safe test programs”***.

The purpose of the safety workshop is to provide an open forum where test safety issues can be presented, discussed and probed with other members and disciplines of the flight test community.

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BAE SYSTEMS

In Partnership with:



2 Day Programme



SETP/SFTE 4th European Flight Test Safety Workshop

Tuesday 28th September 2010

08.30 *Registration and Coffee*

09.00 **Welcome & Opening Remarks**
AVM David Couzens, President, Royal Aeronautical Society

Session 1

09.15 **(1) The Symbiotic Relationship between Configuration Management and Airworthiness Certification**
Clayton Kolb, Research Configuration Control Officer of Naval Test Wing Atlantic, Naval Air Systems Command
Dr Timothy Schoppert, Flight Clearance Releasing Authority for VX-20 Test Squadron, Naval Air Systems Command

09.45 **(2) Helicopter/Ship Interface Testing & Configuration Management**
Paul Edwards, Empire Test Pilot School Course Development Manager, QinetiQ

10.15 **(3) Operational Considerations in the Certification of Technically Advanced Aircraft (TAA)**
Robert Barnes, President, Robert B Barnes Associates, Inc

10.45 *Coffee & Networking Break*

11.15 **(4) Planning and Execution of Atmospheric Research Operations in the UK following the 2010 Icelandic Volcano Eruption**
Dr Guy Gratton, Head of Facility, Facility for Airborne Atmospheric Measurements, Cranfield University
Capt Philip Sheldon, Managing Director, Directflight Ltd

11.45 **(5) Under Pressure Everything Becomes Fluid**
Arun Karwal, Research Test Pilot, National Aerospace Laboratory, NLR
Rombout Wever, Safety Consultant, National Aerospace Laboratory Air Transport Safety Institute, NLR-ATSI

12.15 **(6) Nimrod MRA4 Natural Icing Trials - Knowing When to Ask for Help**
Edward Townshend, Nimrod MRA4 Operations & Planning, BAE Systems

12.45 **Discussion**

13.15 *Networking Lunch*

Session 2

14.15 **(7) Nimrod MRA4 – Steering Round the Pitfalls of Vmcg**
Ian Edmundson, Nimrod Flight Test – Airframe, BAE Systems

14.45 **(8) MRa4 Rejected Takeoff Trials**
Alex Bellamy, Engineering Manager, BAE Systems

15.15 **(9) Mayday Foundation and it's International Network - What it does and what it does not**
Dr Gerhard Fahrenbruck, Clinical Director, Stiftung Mayday

15.45 **Discussion and Concluding Remarks**

16.30 **Evening Reception Sponsored by**

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SETP/SFTE 4th European Flight Test Safety Workshop

Wednesday 29th September 2010

08.30 *Coffee*

09.00 **Opening Remarks**
Maurice "Moe" Girard, Senior Engineering Test Pilot, Cessna Aircraft Company

Session 3

09.05 **(10) Passing the Torch**
Timothy Leslie, Supervisor of Flying Operations and Training, National Research Council of Canada/Institute for Aerospace Research/Flight Research Laboratory

(11) Methods and Facilities used for Evaluating Aircraft Flight and Navigation Equipment in Flight Tests
Vyacheslav Yakushev, Engineer, TsAGI

10.05 **(12) The Human Brain, Forgotten in Aviation**
Ronald van Heerden, Offshore Helicopter Captain/Flight Safety Officer

10.35 *Coffee & Networking Break*

11.05 **(13) The Challenges of Light Aeroplane Spin Testing & Research**
Rein Inge Hoff, Researcher, Brunel Flight Safety Laboratory

11.35 **(14) Safety Aspects of Light Aircraft Spin Resistance Concept**
Falk Pätzold, Institute of Flight Guidance, Technische Universität Braunschweig
Thomas Rausch, Institute of Flight Guidance, Technische Universität Braunschweig

12.05 **Discussion**

12.30 *Networking Lunch*

Session 4

13.30 **(15) Grob Spn Flutter Accident**
Tore Reimers, Freelance Experimental Test Pilot

14.00 **(16) Next Generation Automatic Ground Collision Test Results**
Billie Flynn and Kevin Prosser

14.30 *Tea & Networking Break*

15.00 **(17) Safety Management the High Risk A400M Flying Test Bed Programme**
Iain Young MBE, Chief Test Pilot, Marshall Aerospace
Robert Boyle, Head of Flight Test, Marshall Aerospace

15.30 **(18) Tow Assisted Takeoff Evaluation**
Rusty Lowry, Technical Director, US Naval Test Pilot School

16.00 **Discussion**

16:30 **Concluding Remarks**

18:00 **SETP/SFTE 4th Flight Test Safety Workshop Awards Ceremony and Dinner**

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Proceedings

Proceedings from this event are free to delegates. If you are unable to attend and would like to purchase a copy, then additional copies can be purchased from the RAeS. Information on past conferences can be found at www.aerosociety.com/proceedings.

Sponsorship & Exhibition

Please contact the Conference & Events Department for details on exhibiting, sponsorship and insertion of information into delegate packs.

Disability Act 2004

The Royal Aeronautical Society is fully compliant with the above.

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Substitutions may be made up to the day of the conference - please notify the Conference & Events Department in writing of name changes as soon as possible. If no substitute can be found for the delegate unable to attend, cancellations must be notified in writing to the Conference & Events Department. The following fees will then apply:
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Registration Fees (include lunch, refreshments and an access to view post conference presentations online)

	Fee £	VAT £	Total £
<input type="checkbox"/> Non-Members Rate	450.00	78.75	528.75
<input type="checkbox"/> RAeS Corporate Partners Rate	400.00	70.00	470.00
<input type="checkbox"/> RAeS/SETP/SFTE Member Rate/Co-Author Rate	350.00	61.25	411.25
<input type="checkbox"/> Speaker	200.00	35.00	235.00
<input type="checkbox"/> RAeS Retired Member Rate	150.00	26.25	176.25

Awards Ceremony and Dinner Ticket **42.55** **7.45** **50.00**
(Please note the ceremony and Dinner will take place on Wednesday 29th September)

Credit Cards

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Methods of Payment

All payments should be made in Sterling (UK£). Payment must be received in full before the date of the event, otherwise entry will be refused. All late registrations (10 working days or less) must be paid by credit card. Invoices must be paid within 28 days or by the end of the event, whichever is soonest.

Cheque

Cheques should be made payable to the RAeS and enclosed with this registration form. Please add £15 if your cheque is not drawn on a UK bank to cover bank charges / currency exchange rates.

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