



22nd Maintenance Human Factors Symposium

Taking Human Factors and Safety Management Systems into the Next Decade

Tuesday 25 – Wednesday 26 May 2010

No.4 Hamilton Place, London W1J 7BQ, UK



Lead sponsor:



Synopsis

This Conference re-establishes the UK involvement with the Federal Aviation Administration and Transport Canada in maintenance human factors symposiums which it was initially party to in the late 90s and up until 2003.

The Symposium will highlight a number of international success stories where the dedicated application of Safety Management Systems principles has led to effective human factors interventions which in turn have benefited the organisation.

Cultural, training and military perspectives will be presented and participants will have the opportunity to contribute through a number of workshops that are aimed at highlighting areas which have the potential to bring further improvements.

The Conference will review the continuing need to reduce human error in the maintenance environment in order to protect both our customers and our businesses, and will examine the compelling message which the available data repeatedly presents. It will move on to examine the degree to which Safety Management Systems and safety culture need to address human and organisational factors and will highlight a number of international success stories where the application of SMS principles has led to effective interventions.

On the second day there will be opportunities to engage in interactive workshop sessions examining the application of proven programmes for maintenance error control and reduction, together with the issues of fatigue and culture. The workshops will bring together the science and regulatory stance with successful application by organisations. Finally there will be an opportunity to consider the future operational environment for maintenance and repair organisations and how we take human factors and safety management systems into the next decade.



Royal Aeronautical Society

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www.aerosociety.com/conference

Speakers

A very broad cross-section of the international Human Factors community is represented by the experts assembled for this Conference. Academic, regulatory and day to day aviation practitioners will all be taking part.

Sponsors:



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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 Royal Aeronautical Society or by completing the registration form below. 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. Ramps are available to help delegates gain access to the building and the lecture theatre. A wheelchair access toilet is available on the ground floor.

Cancellations

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:

- More than 14 days notice: 25% of registration fee (i.e. 75% refund)
- 14 days or less notice: 50% of registration fee (i.e. 50% refund)
- 5 days or less and Non-attendance: 100% of registration fee (i.e. no refund)

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- Free places for RAeS Student Members



Register on-line at www.aerosociety.com/conference

2 Day Programme



22nd Maintenance Human Factors Symposium

Taking Human Factors and Safety Management Systems into the Next Decade

DAY 1 Tuesday 25 May 2010

08.20 Registration & Coffee

08.50 **Welcome and Opening Remarks**
Simon Roberts, SMS Programme Manager, UK Civil Aviation Authority

09.00 **Keynote Address**
Dave King, Chief Inspector of Air Accidents, AAIB

09.40 **Introduction**
Andrew Haines, Chief Executive Officer, CAA

SESSION 1

Chairman: Simon Roberts, SMS Programme Manager, UK CAA

09.55 **1 What the Data Tells Us**
Andy Ebdon, Chairman HFG:E, Royal Aeronautical Society

10.30 **Networking Break & Coffee**

11.00 **2 SMS for Business Performance or Regulatory Compliance?**
Keven Baines, Managing Director, Baines Simmons

11.40 **3 SMS and Human Factors in Canada**
Jacqueline Booth-Bordeaux, Chief, Technical and National Programs, Transport Canada

12.20 **Networking Lunch sponsored by**



SESSION 2

13.20 **4 Culture**
David Marx, Chief Executive Officer, Outcome Engineering

14.00 **5 A Success Story**
Alan Shuttleworth, Training Manager, Etihad Airways

14.35 **Networking Break & Tea**

15.05 **6 RAF Can Do Safely Campaign**
AVM Nick Kurth, Chief of Staff Support, Headquarters Air Command

15.45 **7 An Accountable Manager's View and Implementing HF and SMS in an Asian Culture**
Dr Angus Cheung, Chief Executive Officer, China Aircraft Services Limited
Kenny So, Senior Airworthiness Officer, Civil Aviation Department, Hong Kong, China

16.25 **8 Human Factors in Engine Maintenance**
Alan Eccleston, Chief Airworthiness Engineer, Rolls-Royce plc

DAY 2 Wednesday 26 May 2010

08.30 Registration & Coffee

09.00 **Introduction**
Chairman: Simon Roberts, SMS Programme Manager, UK Civil Aviation Authority

09.10 **Guest Speaker**
David Learmount, Operations & Safety Editor, Flight International Magazine

SESSION 3

09.50 **9 Parallel Session Workshops**

Workshop 1: Maintenance LOSA
Dr Kevin Gildea, Personnel Research Psychologist, Federal Aviation Administration
Doc Garret, Manager Maintenance Human Factors, Continental Airlines

Workshop 2: MEDA
William Rankin, Lead, Maintenance Human Factors, Boeing
Darren Cook, Manager Air Safe, Maintenance Error Management Systems, QANTAS

Workshop 3: Culture
David Marx, Chief Executive Officer, Outcome Engineering

Workshop 4: Small Operations
Carl Christian, Airworthiness Surveyor, CAA

Workshop 5: Fatigue
Dr Thomas Nesthus, FAA Civil Aerospace Medical Institute, Human Factors Research Lab
Major Christopher Evans, Rotary Wing, Engineering Staff Officer, MoD Directorate of Aviation Regulation & Safety (DARS)

10.50 **Networking Break & Coffee**

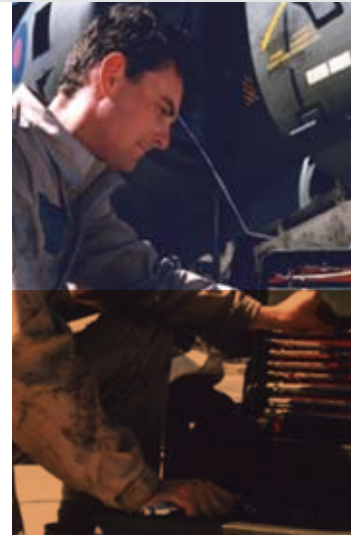
11.20 **Repeated Parallel Session Workshops**

12.20 **Networking Lunch**

SESSION 4

13.20 **13 Smelly Cheese, Ripe Fruit, and Dozens of other Acronyms: Is there more to Maintenance Human Factors?**
Dr William Johnson, Chief Scientific and Technical Advisor for Human Factors in Aircraft Maintenance Systems, US Federal Aviation Administration

14.00 **14 Charting the Future – Panel Session**
Mick Adams, Maintenance & Operations Director, Monarch Aircraft Engineering
Prof Graham Braithwaite, Department Head of Air Transport, Cranfield University
Dave King, Chief Inspector of Air Accidents, AAIB
Steve McNair, Head of Safety, Quality & Compliance, Flybe
Jean-Pierre Arnaud, Rulemaking Officer, EASA



17.00 Discussion and Concluding Remarks

17.15 Evening Reception

14.45 Networking Break & Tea

15.15 **15 With the Battle for Resources Where Do We Go from Here?**

Jacqueline Booth-Bordeaux, Chief, Technical and National Programs, Transport Canada
Andy Ebdon, Chairman HFG:E, Royal Aeronautical Society
Dr William Johnson, Chief Scientific and Technical Advisor for Human Factors in Aircraft Maintenance Systems, US Federal Aviation Administration
Simon Roberts, SMS Programme Manager, UK Civil Aviation Authority

16.10 **Final Discussion & Concluding Remarks**

16.25 **Close of Conference**



Lead sponsor:



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Programme may be subject to change, see www.aerosociety.com/conference for the latest details

Complete and return the form below to:

Conference & Events Department, Royal Aeronautical Society, No.4 Hamilton Place, London W1J 7BQ

Or register on-line at www.aerosociety.com/conference

Reference: 639



TITLE:	FIRST NAME:	SURNAME:
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ADDRESS:		
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REGISTRATION FEES (includes refreshments, lunch and a set of proceedings)

Non-Member	£290.00 + VAT (£50.75) £340.75 <input type="checkbox"/>
RAeS Corporate Partner (inc. Armed Forces) *	£245.00 + VAT (£42.88) £287.88 <input type="checkbox"/>
RAeS Member	£195.00 + VAT (£34.13) £229.13 <input type="checkbox"/>
RAeS New Member**	£195.00 + VAT (£34.13) + £73 £302.13 <input type="checkbox"/>
RAeS Retired Member	£95.00 + VAT (£16.63) £111.63 <input type="checkbox"/>

One day registrations are available on request

* RAeS Corporate Partners are entitled to the special offer of five places for £1,000 + VAT

** I would like to join as an RAeS Affiliate Member simultaneously at £73.00 and pay this rate

RAeS Student Members may attend the conference free of charge subject to availability

Proceedings Only Non-members rate **£135.00 inc VAT** Members rate **£115.00 inc VAT**

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METHODS OF PAYMENTS

All payments should be made in Sterling (UK£).

Online: Registration and secure payment can be made online at www.aerosociety.com/conference

Cheque: 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.

Bank Transfer: Payments can be made by bank transfer into Account No. 01564641, Sort Code 40 05 22, HSBC Bank plc, Mayfair Branch, 18a Curzon Street, London W1J 7LA, UK. Please indicate on the registration form if you have paid your fees direct.

Signature

X