

Airworthiness and Maintenance Conference: Reducing Maintenance Costs Through Innovation 2010

**Cranfield, United Kingdom
16 September 2010**

ISBN: 978-1-5108-0182-0

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2010) by the Royal Aeronautical Society
All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact the Royal Aeronautical Society
at the address below.

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

Phone: +44 (0) 20 7670 4300
Fax: +44 (0) 20 7670 4309

www.raes.org.uk

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

SESSION ONE

Chairman: Jim Rainbow

KEYNOTE PRESENTATION: Reducing Maintenance Costs Through Innovation	1
<i>Nick Kurth</i>	
Cost Savings & Benefits Through Flexible Outsourcing	10
<i>Richard Simpson</i>	
Where is - The Bottom Line	16
<i>Michael Adams</i>	

SESSION TWO

Chairman: Jim Rainbow

Improving Design for Maintainability using Feedback from Maintenance Reporting.....	38
<i>Helen Lockett, Wan Husain, John Fielding</i>	
C-17 Auxiliary Power Unit Performance Based Logistics.....	48
<i>Terry Langerman</i>	
The System Integrity Approach to Reducing the Cost Impact of ‘No Fault Found’ and Intermittent Faults	56
<i>G.M. Huby, J.D. Cockram</i>	

SESSION THREE

Chairman: Mick Skinner

Measuring the Impact of Safety Programs.....	86
<i>William B. Johnson</i>	

SESSION FOUR

Chairman: Colin Dallimore

Smarter Maintenance with a Better Trained Workforce	111
<i>John Carlton</i>	
Maintenance Cost Forecasting Model for Ageing Aircraft of Airbus Family Fleet	125
<i>Adel A. Ghobbar, Ramko P. Bruinsma</i>	
Reducing Maintenance Costs by Innovating Up from the Shop Floor	164
<i>Tom Robins</i>	
Author Index	