

Flying through an Era of Volcanic Ash 2010

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Programme

Tuesday 9 November 2010

08:30 *Registration and Refreshments*

09:00 Welcome & Introduction

Session One: Setting the Scene

Chairman: AVM David Couzens, President, Royal Aeronautical Society

09:10 (1) Financing and Economic Implications of Airspace Restrictions 1

John Sharman, Executive Director, Spectrum Capital London Limited

09:30 (2) The age of Volcanic Ash - what do we know? 7

Dr Guy Gratton, Head of Facility, Facility for Airborne Atmospheric Measurements

09:50 (3) Likely Future Behaviour of Iceland's Volcanoes 13

Dr Sue Loughlin, Head of Volcanology, British Geological Survey

10:00 (4) The Impact of Volcanic Ash and other Contaminants on Airworthiness 25

Padhraic Kelleher, Head of Airworthiness, Civil Aviation Authority

10:20 Presentation of the International Federation of Airworthiness Whittle Safety Award N/A

Presented by **John Saull**, Executive Director, International Federation of Airworthiness (IFA)

10:25 *Coffee break*

Session Two: What we know now and what we need to know for the future

Chairman: Air Cdre Bill Tyack, Chairman Learned Society Board, Royal Aeronautical Society

10:50 (5) The Regulator's Challenge 36

Andrew Haines, Chief Executive, Civil Aviation Authority

11:10 (6) Volcanic Ash and Engines 40

David Lambourne, Airworthiness Specialist, Rolls-Royce plc

11:30 (7) The Role of the Volcanic Ash Advisory Centre and what needs to be done to improve its guidance 52

Doug Johnson, Head of Transport Programme, Met Office

11:50 (8) Ash - Operators Responsibility 92

Capt Dave Thomas, Chief Training Pilot, British Airways

12:10 (9) Airspace Management 98

Richard Deakin, Chief Executive, NATS

12:30 *Networking Lunch*

13:30 (10) Flying Through and Era of Volcanic Ash 106

John Vincent, Deputy Director for Strategic Safety & Head of Safety Analysis and Research, EASA

- 13:50** **(11) Volcanic Ash Crisis from a Network Management Viewpoint 119**
Jacques Dopagne, Director CFMU, Eurocontrol
- 14:10** **Question & Answer Session**
- Session Three: Improving the Situation – ‘Filling the Knowledge Gaps’**
Chairman: Prof Terry Knibb, Learned Society Board, Royal Aeronautical Society
- 14:30** **(12) Developments in Ash Cloud Modelling, Prediction, Profiling and Tracking 130**
Prof Stephen Mobbs, Director, National Centre for Atmospheric Science (NCAS)
- 14:50** **(13) Future Sensor Capability 142**
Alan Woolley, Instrumentation Manager, Facility for Airborne Atmospheric Measurements
- 15:10** *Tea & Coffee break*
- 15:40** **(14) Volcanic Ash Monitoring from Space and Future Satellite Missions 151**
Dr Claus Zehner, Earth Observation Applications Engineer, European Space Agency/ESRIN
- 16:00** **(15) The Airborne Volcanic Object Imaging Detector (AVOID) 160**
Dr Adam Durant, Norwegian Institute for Air Research, Nicarnica Aviation
- 16:20** **Question & Answer session**
- Session Four: Charting the Way Ahead**
- 16:40** **(16) Concluding Summary - Charting the Way Ahead N/A**
Capt David Rowland, Past President, Royal Aeronautical Society
- 17:00** **Closing Remarks and Close of Conference**
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