

Supporting Documents

Walter L McKeown (Exxon Annuitant Aviation Advisor)**1 April 2009**

- 1949 Commenced career in 1949 as an aircraft process engineer with A V.Roe Canada and Canadair
- 1955 Changed career in to that of a Helicopter Engineer working with Spartan Air Services followed by a tour as Field Maintenance Chief in South America.
- 1960 Started a 21 year career with Bell Helicopter Company in the capacity of a Technical Representative covering Domestic and International regions in the fields of Instructor, Field Service Representative, Accident Investigations, Reliability Engineering, Service Engineering, and Gulf Area Technical Representative Supervisor.
- 1982 Joined Exxon Production and began managing the Gulf of Mexico Helicopter operational requirements for the company.
- 1991 Transferred to the Exxon Corporation, as an Advisor for international operations
- 1998 Retired Exxon Corporation.
- 1998 Since retiring, I have been actively consulting to both Exxon Mobil Corporation and BP America. Relative to the Sikorsky S-92, I conducted the initial Lease Purchase Economic Analysis for the S92 for BP. This was followed by an on-site two year reliability and maintainability review of BP's Gulf of Mexico S-92 fleet of helicopters.

Credentials

- 1957 Licensed Aircraft Maintenance Engineer YZM 475 issued by Department of Transport 1957
- 1956 Aircraft & Power Plant License 1343833 issued by FAA
- 1966 Licensed Aircraft Maintenance Engineer N6557 issued by Australia Dept of Civil Aviation
- 1983-85 Chairman, HAI Offshore Committee
- 1992-97 Vice Chairman, OGP Aviation Sub Committee

Other

- Meritorious Service Award by Helicopter Association International in 1997
- University of Southern California (USC) Aviation Safety Management
- Fixed Wing Pilots license 267663583
- Industry Committee Chair for Helicopter Safety Advisory Conference - Accidents and Statistics Reporting

Supporting Documents

James H. Such
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Dallas TX 75235

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James Such currently serves as an Aviation Advisor to Exxon Mobil Corporation. In this capacity, he consults for the Company, its Affiliates, and Business Units, world wide on a broad range of topics related to the aviation industry.

Some of the duties of an Advisor in the Company are:

- conduct aviation safety reviews of contractor companies providing aviation transportation services; typically involves assessment of training programs, personnel experience, equipment status, inventory, reliability, manuals, safety programs, compliance with Company standards
- provide analysis of relative technical capability of contractors and provide recommendations concerning the most capable (Procurement)
- evaluate transportation needs and recommend appropriate aircraft
- evaluate contractor response to incidents and accidents
- manage contracted aviation assets during Company emergencies
- participate in aviation industry committees as they relate to oil and gas business

Mr. Such acquired his experience in the following manner

1968 – 70	US Army Helicopter Pilot
1971 – 75	Commercial Helicopter and Fixed Wing Pilot, various companies
1976 – 77	Commercial Helicopter Pilot, Air Logistics, US Gulf of Mexico
1977 – 85	Commercial Helicopter Pilot, Mobil Corporation
1985 – 91	Director Safety and Training, Mobil Corporation
1991 – Present	Aviation Advisor, Exxon Mobil Corporation

Mr. Such provides regional aviation oversight of the following geographic areas on behalf of the Company:

Asia including Malaysia and Indonesia; Middle East and Northern Africa including Qatar, Saudi Arabia, and Abu Dhabi; Russia and the Former CIS countries, (except Sakhalin Island) Azerbaijan, Turkmenistan, Kazakhstan; Europe, United Kingdom, Norway, Turkey, Romania; Canada, East Coast; South America, Brazil, Colombia (formerly Venezuela, Trinidad, Peru)

Mr. Such is a licensed pilot holding ratings:

Airline Transport Pilot, Rotorcraft
Commercial Pilot, Fixed Wing, Multi-engine, Instrument

Brian Van Humbeck
Aviation Safety Advisor, Owner & President
Contrail Aviation Safety Ltd.
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Employment History

Contrail Aviation Safety Ltd.

1987 – Present

Aviation Safety Advisor & President

- Developed and implemented the Contrail Aviation Safety Inspection Program (CASIP) for several major resource companies.
- Developed and implemented several Company Aviation Travel Policies.
- Assisted Husky Energy during the development of their Offshore Helicopter Operations Manual, Helicopter Operations Management System, and the SK92 Introduction to Service.
- Written, revised, and/or implemented Safety Standards for Charter Air Carriers, which must be followed by the carriers when providing aviation services to our clients.
- Conduct regular Safety Base Inspections of Charter Air Carriers (I have personally conducted in excess of 700 inspections; with approximately 60% helicopter related).
- CBAA Accredited Auditor (1 of only 14 individuals in Canada so qualified).
- Involved in the investigation of several Accidents and Significant Incidents.
- Transportation Safety Board (TSB) of Canada Accredited Observer during two fatal Accident Investigations.
- From 1987 to 2006, continued to fly Corporate Jet and Large Turbo-Prop Aircraft on a part-time basis (flew approximately 150 hours per year).

NOTE: Since company inception, we have NOT offered consulting services to any Charter Air Carriers, and thereby provide our Oil & Gas clients with total independence and objectivity during Contrail safety base inspections.

Shell Canada – Corporate Aviation

1981 – 1987

Corporate Pilot & Helicopter Safety Advisor

- Line Captain and Training Captain - Small Jets & Small Turbo-Props
- Helicopter Safety Advisor – Involved primarily with Helicopter Supported Seismic Operations

Various Employers – Full Time & Part Time

1975 - 1981

Pilot – Helicopters and Smaller Fixed Wing Aircraft

Transport Canada

1972 - 1978

Air Traffic Controller

- Tower Controller – Springbank, Yellowknife & Calgary International Airport
- Became a fully Licensed Controller two (2) months past my nineteenth (19th) birthday, which at the time was the youngest age that anyone had *ever* obtained this Licence.

Brian Van Humbeck
Aviation Safety Advisor, Owner & President
Contrail Aviation Safety Ltd.

Qualifications, Education and Training

- 10,000 hours of Accident Free Flight Experience
- Commercial Licence, Helicopter - Endorsed for two Small and one Bell Medium helicopter
- Airline Transport Licence, Fixed Wing – Endorsed for several small jets & one large turbo-prop aircraft
- Air Traffic Control Licence
I am one of ONLY two civilian trained pilots in Canada having the distinction of possessing the above-noted three Transport Canada licences.
- Air Traffic Control Diploma – Transport Canada Training Institute
- Transport Canada – Audit Procedures Training
- Canadian Business Aviation Association – Audit Procedures Training – 4 occasions
- Flight Safety International & CAE SimuFlite – Full Motion Simulator Training – 33 occasions
- Southern Alberta Institute of Technology – Computer Programming Diploma with Honours
- Safety Management System (SMS) – Several different courses
- Helicopter Association International/University of Southern California (USC) – Aviation Safety Management
- Transport Canada Safety Officer Course (Student and Guest Lecturer)
- Transport Canada Civil Aviation Safety Seminar (CASS) – 3 occasions
- United Airlines Advanced Airmanship and Crew Resource Management
- Dangerous Goods Instructor Course
- Canadian Forces Aeromedical Training
- CHC Safety & Quality Summit
- Numerous update training courses/aviation seminars on an annual basis

Associations

- Aviation Alberta - Member and Past Director
- Calgary Aviation Business Association – Member
- Calgary Aviation Community Association - Founding President 1983 and Member
During the past 25 years, our association has raised and donated \$550,000.00 to the Alberta Children's Hospital.
- Calgary Transportation Authority - Past Committee Member for General Aviation
- Canadian Business Aircraft Association (CBAA) - Member, Accredited Auditor and Past Chairman of the Calgary Chapter.
Previous Industry Representative on the following Committees: Transport Canada's Airspace Review; Western Regional Steering Committee; Calgary Noise Abatement Committee; Calgary Airspace Re-Design (Ottawa meetings and Air Traffic Control Simulation in Hull, Quebec).

Biography: **Andy Evans**

Education: MSc Manufacturing, Management & Technology, Open University 2000-2003.
 Modules: Integrated Safety, Health & Environmental Management, International Operations Management, Forensic Engineering & Software Engineering.
 One year research project on 'Organisational Factors Affecting Helicopter Vibration Health Monitoring'
BEng(Hons) Aeronautical Engineering, Hatfield Polytechnic 1986-1990

Membership: Member of the Royal Aeronautical Society (MRAeS) – since 1998
Chartered Engineer (CEng) - since 1998

Honours: IMechE Astridge Award for Aerospace Safety in May 2003.

Career History

AviateQ International (Burnham, Buckinghamshire, UK) **Sept 08 – date**
Senior Aviation Advisor

- Engaged in managing a range of safety management system and safety culture advisory projects.
- Lead auditor, auditing organisations in Algeria, Switzerland, Malta, Netherlands, US, Trinidad and Peru.
- Member of the Oil & Gas Producers Aviation Sub-Committee & OGP ASC's Night Ops Working Group.
- Industry Co-Chair of the European Helicopter Safety Analysis Team, Acting Co-Chair of the European Helicopter Safety Implementation Team and member of the RAeS Human Factors Group.

Bristow Group (Houston, Texas, US) **Jan 07 – Aug 08**
Global Quality & Safety Standards Manager

Bristow operates 400 helicopters in 22 countries, primarily for the oil & gas industry, and was undergoing major growth & organisational change. Reported to the Senior VP Safety, Training & Standards. Responsible for SMS development & standardisation across 3 divisions, developing Q&S professionals & safety culture development.

- Assessed Business Units globally making recommendations for safety improvements.
- Launched & project managed the 'Target Zero' cultural change project including award winning campaign material
- Organised & delivered leadership workshops for 550 people on 5 continents.
- Managed two global safety surveys in three languages.
- Developed & implemented global standard Q&S processes (including introducing new software tools).
- Designed & implemented a new behaviour based safety scheme (including training 100 trainers).
- Lead the team investigating a fatal air accident in Nigeria and reviewed US accident investigations.
- Lead due diligence audits on two potential acquisitions.
- Organised the first Bristow Q&S Professional Development Seminar.
- SMS & safety leadership papers published by *Aero Safety World*, *Defence Aviation Safety Centre Journal* & *Focus* (UK Flight Safety Committee Magazine).
- Member of EASA Rotorcraft Vibration Health Monitoring Working Group and Sentinel Steering Group.
- Elected Industry Co-Chair of the European Helicopter Safety Analysis Team.
- Member of the UK Flight Safety Committee & RAeS Human Factors Group.

Bristow Group (Aberdeen, Scotland, UK) **Mar 04 – Dec 06**
Quality & Safety Manager (Bristow - Eastern Hemisphere) and Q&S Manager Turkmenistan Helicopters Ltd

EH consists of 2800 staff & 140 aircraft at 30 bases, plus a Part 21 aviation design & production business. Ran a team covering all quality, flight safety, HSE, HUMS & flight data monitoring issues.

- Restructured Eastern Hemisphere Q&S to create an independent, integrated Q&S team.
- Revised the EH SMS & dramatically improved Risk Management, Audit & Safety Reporting / Investigation.
- Recruited, trained & mentored 8 new Q&S staff.
- Gave improved insight into Q&S performance & successfully promoted continuous improvement.
- Achieved transition to new European Aviation Safety Agency regulations & gained AS9100 certification.
- Introduced behavioural based safety & safety surveys, halving the ground accident rate.
- Developed & delivered a new 2 day vibration health monitoring course for Helicopter Association International.
- Developed & delivered Advanced Auditor Training and a new Supervisor's Development course for Bristow.
- Active member of the UK Flight Safety Committee, RAeS Human Factors Group, UK Airline Emergency Planning Group, CAA Helicopter Health Monitoring Advisory Group & CAA SMS Working Group.

Civil Aviation Authority Safety Regulation Group (Gatwick, West Sussex, UK)

Apr 99 – Feb 04

Surveyor

- Successfully lead external audits & managed the approval of a diverse group of 30 organisations in UK, US, Singapore & Australia including operators & design, production & maintenance organisations. These included: EasyJet, BMI, Ansett, Bristow, CHC, British International, Titan Airways, GE, Pratt & Whitney, Pechiney, RMI Titanium, Singapore Technologies, H+S, Vintech, Nordam, Meggitt, Smiths, Dowty & Westland.
- Conducted certifications & continued airworthiness of various aircraft, aero engines & systems.
- A European Joint Aviation Authorities (JAA) Engine Project Certification Manager.
- JAA Helicopter Rotors & Transmission Specialist.
- CAA Health & Usage Monitoring System Specialist.
- Secretary of CAA Helicopter Health Monitoring Advisory Group.
- Actively participated with the Air Accidents Investigation Branch in 6 air accident investigations.
- Managed research into mechanical failures, health monitoring & helicopter design.
- Wrote CAP721 on Large Flocking Birds and the measures necessary to control the risk to aviation.
- Developed & conducted training for CAA, JAA, industry & Cranfield University.
- Chaired the European/US JAA/FAA FADEC Limit Override Technical Working Group.

British Aerospace plc (Warton, Lancs, UK & Filton, Bristol, UK)

Nov 97 – Apr 99

Senior Propulsion Systems Engineer

Responsible for the performance & aerodynamic aspects of propulsion system integration & qualification (from Preliminary to Critical Design Reviews) plus flight test planning & instrumentation design for a new military aircraft. The work involved managing numerous multi-disciplinary, multi-organisation teams & managing contractual relationships with both the customer & suppliers. Successfully managed the rapid design & procurement of fan flutter test hardware & subsequent testing (£1.2mn budget) to tight deadlines.

Rolls-Royce plc (Filton, Bristol, UK)

Sept 90 - Nov 97

Senior Technology Engineer - New Projects Engineering

Gas turbine engine design & aircraft performance analysis on a wide range of future projects. Closely involved in business development, technology acquisition and EJ200 Project Management. Active member of the team that introduced a new preliminary design process. Lectured on the University of Bristol MSc propulsion module.

AP Precision Hydraulics Ltd (Liverpool, UK) - Undergraduate Training

1987-1990 (part)

Varied placements at this aviation supplier: Workshop training & development (3 months - 1987), marketing, contracts & product support (3 months - 1988), design & production engineering (8 months - 1989).