

## **GERRY BINNEMA**

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### **Aviation Experience**

**Regional Aviation Safety Officer. Sept. 1997 – Sept. 2008**

Transport Canada System Safety, Pacific Region, British Columbia, Canada

- Responsible for monitoring the safety of the aviation transportation system in British Columbia, and advising the appropriate Federal Government manager of any identified risk as well as recommend a solution.
- Responsible for developing and delivering safety awareness programs to various segments of the aviation community. Focal person and subject matter expert for the risk management process in the Pacific Region.
- Held acting management positions in Pacific Region for over four years.
- Official Minister of Transport representative on 66 Transportation Safety Board of Canada aircraft accident investigations.
- National team member tasked to define the safety intelligence role in Civil Aviation and create training for inspectors to take on that role.
- Increasingly recognized nationally as a resource for my human factors knowledge and my facilitation skills.
- Published numerous articles in the Aviation Safety letter, many of which were re-published in other journals. (see appendix for list of articles)
- Maintained current pilot proficiency on Beech C-90 King Air.

**Aircraft Accident Investigator. June 1994 - Sept. 1997**

Transportation Safety Board of Canada, Pacific Region.

- Investigated 44 aircraft accidents and was investigator in charge of 26 of those investigations. Was group chairman of a major accident investigation.

**Flight Instructor/Maintenance Coordinator. September 1990 - June 1993**

Trinity Western University, Abbotsford, B.C.

- Provided flight instruction in all phases of flight from ab-initio to Multi engine and Instrument Flight Ratings. Maintained an excellent flight test record with a 97% pass record.
- Responsible for overseeing the maintenance of a fleet of nine aircraft, including decision making regarding budget issues, and juggling maintenance and flying schedules.

**Pilot/Aircraft Maintenance Engineer. March 1988 - August 1990**

Niger, West Africa, and Vancouver, B.C.

- Responsible for maintaining and operating single engine and twin engine aircraft in the sub-Saharan desert, and in coastal B.C.

## **Education**

### **Lund University. 2005**

**Attended two Human Factors in Aviation Learning Laboratory programs led by Dr. Sydney Dekker, on new approaches to human factors in investigations.**

### **Embry Riddle Aeronautical University. 2000 – 2005**

Earned a Masters degree in Aeronautical Science specializing in System Safety and Human Factors while working full-time. Graduated with 4.0 GPA. Research project on the effectiveness of accident reports was published in the Human Factors and Aerospace Safety journal.

### **Trinity Western University. 1981-1982, 1991-1994**

Earned a bachelor degree and graduated summa cum laude. Studies focused on aviation during the first two years. Completed the degree through part-time studies while teaching full-time at Trinity, studies focused on Christianity and cultural issues.

### **Centennial College. 1984**

Graduated at the top of my class from this intensive 12-month aircraft maintenance course.

## **Other Specialized Training**

- Private Pilot Licence – London Flying Club
- Glider Pilot Licence – York Soaring Association
- Multi-engine and Instrument rating – Professional IFR
- Aircraft Accident Investigation course – Federal Aviation Administration – Oklahoma
- Helicopter Accident Investigation – Bell Helicopters (Transportation Safety Institute)– Dallas Texas
- Human Factors in Investigations – Transportation Safety Board
- Interviewing Skills course – Transportation Safety Board
- Pilot Training Course Beech King Air C90 and C90A – Transport Canada
- Human Performance in Maintenance – Transport Canada
- Crew Resource Management – Transport Canada
- Company Aviation Safety Officer – Transport Canada
- Audit Procedures Course – Transport Canada
- Basic Enforcement Course - Transport Canada
- Garrett TPE 331 course – Garrett engines
- Facilitation – Processes Techniques and Logistics – Rana Consulting
- Human Synergistics Training Leaders Workshop - Human Synergistics
- Strength Deployment Inventory Facilitator training – Personal Strength
- System Safety/ Safety Intelligence Specialist Course – Transport Canada
- Communication Skills course – Transport Canada
- Introduction to Risk Management – Transport Canada
- Risk Management Operational Training: Train the Coach - Transport Canada

- Theories, Techniques and Tools for Supervisors – Transport Canada

### **Ratings**

**Airline Transport Pilot Licence** since 1992, with instrument, multi-engine, and seaplane ratings.

**Class 1 Instructor Rating**

**Aircraft Maintenance Engineer Licence** earned in 1986.

**Glider Pilot Licence with an instructor rating.**

### **Publications**

The following articles were printed in Transport Canada's Aviation Safety Letter

- Risky Business 2/1998
- To Err is Human 1/2001
- The Accident Prone Pilot 4/2002
- Switchology 1/2003
- The ASL Interview-Denis Ford, Manager of System Safety, Vancouver Island Helicopters Ltd. 3/2003
- What Can You Learn from Accident Reports? 3/2007
- Does Your Group Think Safety? 4/2007

These articles were available for re-print without permission and they did appear in numerous other publications.

The research I carried out for my Masters degree was published in an academic journal:

The Effect of Accident Report Formats on Invulnerability and Hindsight Bias, Human Factors and Aerospace Safety, 5(4), 295-308, Ashgate Publishing, 2005