



Aviation Litigation Consulting, LLC

Timothy J. McAdams – Helicopter Consultant

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Pilot Licenses

ATP: AMEL – Type ratings: IAI 1125, G200
ATP: Rotorcraft – Helicopter
CFI: Rotorcraft – Helicopter

Flight Experience

10,000+ hours Total flight time
2,600 hours Fixed wing, 1200 multi-engine jet
7,400 hours Rotor wing, 2400 multi-engine

Work Experience

5/2010 to present **Director Business Development** SKY Helicopters Garland, TX

- Develop business plan to expand local helicopter ENG contracts nationwide.
- Explore, develop and manage programs to expand part 141 flight school
- Manage and assist company president in project planning and development
- Pilot company aircraft as needed

2/1992 to present **Aviation Author/Consultant**

- Over 42 published articles in AOPA Pilot, Rotor & Wing, Air Med, & Flight Training magazines.
- Created and wrote “Safety Watch” column for Rotor & Wing.
- Currently write Hover Power Blog and feature articles for AOPA
- Wrote helicopter safety audit standards for Aviation Research Group/US

7/2008 to 4/2010 **Director Sales & Marketing
Program Manager** Sagem Avionics Grand Prairie, TX

- Pilot helicopters and provide instruction on company cockpit systems and autopilots.
- Prototype test flying for new autopilot design
- Manage proposed training helicopter cockpit upgrade program for the US Army
- Direct all sales and marketing efforts of glass cockpit systems and autopilots.

2/2007 to 7/2008 **Sales and Marketing - Training** American Eurocopter Grand Prairie, TX

- Market, sell and develop new business for American Eurocopter’s training services
- Pilot company aircraft.

1/2006 to 2/2007 **Director of Safety/EMS Pilot** CareFlite Dallas, TX

- Responsible for directing the safety efforts of an air medical company.
- Piloting a single pilot twin-engine IFR air medical helicopter.

2/1999 to 1/2006 **Aviation Department Manager** Rite Aid Corporation Harrisburg, PA

- Manage a 10 million dollar annual budget for 3 turbo-jet airplanes, 1 twin-engine IFR helicopter, 10 pilots, 4 maintenance technicians and 2 support personnel.



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- Direct all flight, maintenance and safety programs

2/1997 to 1/1999 **Emergency Medical Pilot** Mayo Clinic/Omniflight Rochester, MN

- Assisted in the design and implementation of the hospital's GPS instrument procedures.
- Piloted single pilot IFR BK 117 EMS helicopter.

11/1994 to 1/1997 **Sales and Marketing / Pilot** Liberty Helicopters Tours New York, NY

- Designed and implemented domestic and international marketing strategies.
- Piloted company aircraft as needed.

2/1982 to 10/1994 **Owner / Pilot / Flight Instructor** National Helicopters Frederick, MD

- Sold new Robinson helicopters as an authorized dealer and brokered other models.
- Operated small flight school and air charter company.

Education

Bachelor of Science Degree Aviation Technology Thomas Edison State College.

Published Articles

Live in the Sky

AOPAPILOT June 2010

How SKY Helicopters is revolutionizing the airborne helicopter ENG market

Perils of Flat Light

Rotor & Wing October 2005

Accidents caused by helicopter operations in flat light conditions

Helicopters in the Mist

AOPAPILOT February 1997

Single pilot IFR operations in the MD Explorer

EMS Safety

Rotor & Wing May 2004

Strategies for increasing safety in helicopter EMS operations

Power Tool

AOPAPILOT February 1999

The use of the Bell 430 as a corporate helicopter

New Highs for IFR

Rotor & Wing December 1999

Advanced cockpit systems for helicopter IFR operations

Good Judgment, Right Decisions

Rotor & Wing March 2004



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The consequences of poor judgment in helicopter operations

Loss of Tail Rotor Effectiveness

Rotor & Wing February 2007

Understanding and avoiding the aerodynamic condition of loss of tail rotor effectiveness (LTE)

Nighttime Awareness

Rotor & Wing November 2003

How pilots can improve the safety and reduce the risks of night operations

Understanding a Student's Background

Rotor & Wing April 2007

The importance of instructors knowing the limitations and background of their students

Unhealthy Competition

Rotor and Wing October 2006

The danger of the EMS practice of shopping for another operator after a turn down.

Managing Risk

Rotor & Wing September 2003

Managing and mitigating risk in helicopter operations

An Approach to Excellence

AirMed November/December 1998

Enhancing safety through Innovation at Mayo One

Watch This

Rotor and Wing April 2006

The importance of identifying risk-taking behavior in helicopter pilots

Watch your Tail

Rotor and Wing November 2004

Maintaining situational awareness regarding a helicopter's tail rotor in off airport landings

Bad Vibes

Rotor and Wing July 2004

How helicopter vibration levels can provide clues to impending component failures

The Most Demanding Flying

Rotor & Wing January 2004

Why flight instruction is some of the most demanding flying a pilot can perform

Underestimating Weight

Rotor & Wing July 2006

The importance of knowing an accurate gross weight for helicopter operations

Rotor Rating

AOPAPILOT April 1997

Introduction to training helicopters



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Preparing for Confined area Ops

Rotor & Wing July 2005

Maintaining situational awareness in helicopter confined area operations

AS350 Hydraulic Failures

Rotor & Wing February 2005

The importance of proper training and following the manufactures procedures regarding hydraulic failures

A Gust of Wind

Rotor & Wing June 2007

How wind gusts can contribute to helicopter accidents

Watch your Ps and Qs – and DA

Rotor & Wing September 2004

Understanding that helicopter performance is a function of the density of the surrounding air.

Background Checks

Rotor & Wing November 2008

The importance of knowing a pilot's background during the hiring process

Flown Alone

AOPAPILOT February 1998

Single pilot IFR operations in EMS

Familiar Territory

Rotor and Wing January 2009

The dangers of using familiar territory to justify flight in bad weather

News Hawk

AOPAPILOT December 1998

Pilot report on the Robinson R44 News helicopter

French Evolution

AOPAPILOT November 1996

Pilot report on the Eurocopter AS350 helicopter

Coast to Coast

AOPAPILOT September 2000

Pilot report on the Robinson R44 helicopter

Coast to Coast II

AOPAPILOT March 2004

Cross country flying in the Robinson R44

Dangerous Training

Rotor & Wing June 2004

Why careful attention needs to be given when practicing autorotations

The Art of Autorotation

Flight Training June 2000



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Techniques for understanding and performing successful autorotations

Frustrations III Effects

Rotor & Wing May 2005

The often unnoticed effects of fatigue on pilot performance

A Bigger Bell

AOPAPILOT February 2000

Pilot report on the Bell 407 helicopter

They will come

Rotor & Wing February 2006

How to build and manage a successful heliport

Kit Copter

AOPAPILOT September 1994

Pilot report on single seat kit helicopter

Proving Grounds

AOPAPILOT February 1995

Report on the safety of the Robinson R22 helicopter

Rotorway Resurrection

AOPAPILOT August 1995

Pilot report on the Rotorway Exec 162F kit helicopter

Low Rotor RPM Threatens Safe Helicopter Flight

Flight Safety Foundation May/June 1992

The importance of maintaining main rotor RPM in light helicopters

Turbine Helicopter Flying

AOPAPILOT March 1993

Introduction to turbine powered helicopters for student pilots

On the Scene

AOPAPILOT February 1994

Pilot report on the MBB BK117 in air medical operations

Gemini ST

AOPAPILOT July 1994

Pilot report on the conversion of the Bell Longranger to a twin-engine helicopter

Black Gold

Rotor & Wing

Report on the health of helicopter operations in the offshore oil industry