



Helicopter Association of Canada

“Flying in the Wire & Obstruction Environment”

Presented by:

Utilities Aviation Specialists Inc. President Bob Feerst

Course Cost Part I: \$450 HAC Member / \$500 Non-Member

Note: Pre-Registration is required. Contact Barb Priestley at barb.priestley@h-a-c.ca

This course will be delivered if there is sufficient registration by March 1 2012.

Date: Wednesday March 14, 2012 0830- 1630

Location: Westin Hotel, Ontario Room – Level 3

To follow is a brief overview of the Flying in the Wire and Obstruction Environment/Crew Resource Management course. The course is very professionally done using multi-media and is acclaimed by both utilities and professional utility helicopter operators world-wide. It is designed to train pilots, low level patrolmen, foresters, observers and all other flying utility professionals to work together as a team and to understand the hazards in the low-level wire and obstruction environment.

A brief overview of the topics we will cover during Part 1 is as follows:

- How risk enters into utility flight operations.
- “Applied” situational awareness on patrol and other low level flight applications.
- The “Basic Awareness’s” crews must have and maintain while operating in the wire and obstruction environment.
- Understanding your exposure to the wire and obstruction environment.
- **Crew Resource Management** (*What the pilot and linemen/crew member need to do to act together as a crew in the wire and obstruction environment*)
- Why the Observer is so important regarding safety during low level operations.
- The responsibilities of each crew member.
- In-flight communications.
- Where the wire and obstruction environment really is.
- Dynamics of the wire environments.
- Traps waiting for untrained low level crews.
- Visibility Engineering (*What you can and can't see and why*)
- How low level crews can forecast the presence of wire long before they can actually see it.
- How to position the aircraft for maximum visibility.
- Illusions while on low level in the wire environment (*What causes them and how to manage them*)
- The high wire reconnaissance.
- Additional dangers during low level operations.
- How low level crews let the accident chain develop



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“Flying in the Wire & Obstruction Environment” - **Part II**

Presented by:

Utilities Aviation Specialists Inc. President Bob Feerst

NOTE: Must have completed Part I in order enroll Part II

Course Cost Part II: \$450 HAC Member / \$500 Non-Member

BOTH Parts I & II: \$800 HAC Member / \$900 Non-members

Note: Pre-Registration is required. Contact Barb Priestley at barb.priestley@h-a-c.ca

This course will be delivered if there is sufficient registration by March 1 2012.

Date: Thursday March 15, 2012 0830 - 1630

Location: Westin Hotel, Ontario Room – Level 3

Part II done consecutively goes into more detail. A brief overview of the topics that will be covered during Part II is as follows:

- A detailed look at what factors work against safe operations while operating in the wire and obstruction environment
- Why the lineman is often in the best position to stop an accident from happening
- Communications breakdown, how to spot it and stop it in time to prevent an accident
- How short term memory loss causes accidents during utility flight operations and how to short circuit it
- How to scan in the wire and obstruction environment effectively
- Analyzes actual low level accidents, how crews let the accident chain develop and what the crew should have done in time to prevent the accident from happening
- How the loss of one or more of the “Basic Awareness’s” led to an accident
- Human factors responsible for low level and utility accidents
- Expanding your knowledge on Visibility Science
- Advanced wire and hazard forecasting
- What tools do we have that work in our favor in the wire and obstruction environment
- Pre-flight preparation for low level flight operations
- Staying in “Condition Yellow”
- Pinch Points
- Minimum safe helicopter approach distances
- Noise abatement
- Emergency procedures
- Low Level Flight Crew qualifications
- Spotting hazardous attitudes before it's too late
- Basic survival in the event of an accident of forced landing
- Why Standard Operating Procedures are vital to a low level flight crew



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CONVENTION COURSE REGISTRATION FORM

“Flying in the Wire & Obstruction Environment”

Presented by:

Utilities Aviation Specialists Inc. President Bob Feerst

Westin Hotel, Ottawa, ON

Return form to: HAC, 130 Albert Street, Suite 500, Ottawa, ON K1P 5G4 Fax: (613) 369-5097

Attendee Name 1		Title	
Attendee Name 2		Title	
Attendee Name 3		Title	
Company Name			
Address			
City		Prov/State	Postal/Zip Code
Phone ()		Fax ()	
Email			

This course will be delivered if there is sufficient registration by March 1, 2012

**REGISTRATION FEE – Member Rate: \$450 ea. Non-Member Rate: \$500 ea.
Individuals taking BOTH Parts I & II: Member Rate: \$800 ea. /Non-Member Rate: \$900 ea.
SEPARATE FEE FROM CONVENTION REGISTRATION**

PART I ONLY March 14, 2012 Total # of Registrants		@	Member Rate - CAN\$450 ea. =		
		@	Non-member rate - CAN\$500 ea. =		
PART II ONLY March 15, 2012 Total # of Registrants		@	Member Rate - CAN\$450 ea. =		
		@	Non-member rate - CAN\$500 ea. =		
PART I & II Discount March 14&15, 2012 Total # of Registrants		@	Member Rate - CAN\$800ea. =		
		@	Non-member Rate – CAN\$900 ea. =		
				HST 13%	
NOTE: PART I must have been taken to enroll for PART II				Total	

METHOD OF PAYMENT

<input type="checkbox"/> VISA	<input type="checkbox"/> MasterCard	Card Number	Exp Date
Name of Card Holder		Signature	

CANCELLATION POLICY Registration may be cancelled by notifying HAC Administrative Services **IN WRITING ONLY**. Cancellations up to and including January 25, 2012 will receive full reimbursement. Cancellations from January 26, 2012 up to and including March 1, 2012 will receive a 50% reimbursement. **Cancellations received after March 1, 2012 will NOT be reimbursed.**