

Utility Flight Operations Part I

Flying in the Wire and Obstruction Environment as a professional flight crew

The “Utility Flight Operations” 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 and patrolmen to work together as a team and is applicable to all utility helicopter operations in the wire and obstruction environment.

Brief overviews of the topics covered during the course are as follows:

- How risk enters into utility flight operations.
- “Applied” situational awareness on patrol.
- The “Basic Awareness’s” utility crews must have and maintain while operating in the wire and obstruction environment.
- Understanding your exposure to the wire and obstruction environment.
- Utility helicopter accident analysis.
- Crew Resource Management (*What the pilot and linemen need to do to act together as a crew in the wire and obstruction environment*)
- Why the Patrolman is so important regarding safety during patrol operations.
- The responsibilities of each crew member.
- In-flight communications.
- Flight critical information all patrolmen/lineman have that they seldom use.
- Where the wire and obstruction environment really is.
- Dynamics of the wire environments.
- Traps waiting for untrained patrol crews.
- Visibility engineering (*What you can and can't see and why*)
- How patrol crews can forecast the presence of wire long before they can actually see it.
- Illusions while on patrol in the wire environment (*What causes them and how to manage them*)
- The high wire reconnaissance. (*How is it different from a regular recon?*)
- Additional dangers during patrol operations.
- How patrol crews let the accident chain develop

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