

Utility Flight Operations Part II

(Flying in the Wire and Obstruction Environment as a professional crew)

Part II of the Utility Flight Operations Course takes all the “Basic Awarenesses” established in Part I and goes in to much greater detail on how and why utility helicopter accidents happen to experienced flight crews. It starts with a review of the basic awareness’s taught in Part I but expands the flight crews skill levels by addressing the other flight critical issues such as human factors, decision making on patrol and accident causation in the wire and obstruction environment.

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

- A review of the “Basic Awareness’s” low-level flight crews ***must have*** and maintain while operating in the wire and obstruction environment.
- 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 environment effectively.
- Analyzes actual utility 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 patrol 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 utility flight operations.
- Staying in “Condition Yellow.”
- Pinch Points
- Minimum safe helicopter approach distances
- Noise abatement
- Emergency procedures
- Utility 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 utility flight crew.

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