

HSAC Recommended Practice (RP) # Pilot/Observer Training (Draft)

Background

ALL pilots and/or observers engaged in aerial patrol should be trained to a uniform standard to insure safe and effective aerial patrol operations.

Recommended Practices

Each operator should establish a written pilot and/or observer training manual. The manual should include initial and recurrent training in the areas listed below and documentation should be placed in the crewmembers designated training files. All phases of this training program should be a tested and documented process, including initial and annual re-current training.

Initial and Recurrent Pilot/Observer General Training
Complete DOT Operator Qualification Training as per Company O&M Manual
Train, review and test Company Policies and Procedures
Train, review and test Company Operations Manuals
Train, review and test Safety Procedures Manuals/SMS Program
Review Flight Operations Manual (example: http://www.ibac.org/index.php)
Pilot in Command (PIC)/ Observer Duties: Safety of aircraft and crew, observe pipeline right of way, take pictures, take notes, complete reports, provide input on safety of flight concerns, inclement weather etc.
Train, review and test all aircraft emergency procedures
Review Company Operations: Field locations, contact personnel, maps, pipeline routes, types and frequency of markers, and class locations
Crew Coordination: Crew Resource Management (CRM)/Aeronautical Decision Making (ADM), Pilot Decision Making (PDM) (example: AOPA.org)
General Aircraft Operations (examples) Low level waivers, Letters of Agreement, Pipeline patrol frequency 122.75
Location and operation of the following: aircraft egress, radios, headsets, sick sack, passenger briefing card, first aid kit, fire extinguisher, seat belts, survival equipment, personal protective equipment, etc...
Aircraft Hazards (both ground and flight): ground equipment, personnel on ground, other aircraft in flight, towers, wires, props/rotors

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