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Training Syllabus

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AIRCRAFT TYPE TRAINING PROGRAM SEAWIND AMPHIBIAN

Prepared by Ted Dirstein

BACKGROUND KNOWLEDGE - BRIEFING

- Operational considerations of high thrust line
- Effects of engine torque
- Operational considerations of drag
- Overview of fuel system
- Auxiliary fuel pump operation
- Overview of hydraulic system
- Review or instruction on use of constant speed propeller, as required
- Review or instruction on operation of retractable gear aircraft
- Review or instruction on operation of fuel injected engines

PRE-FLIGHT INSPECTION - BRIEFING

- General pre-flight inspection of aircraft
- Ground handling - lifting point for nose and push points
- Towing and nose wheel characteristics

Fuel Management

- Main tanks
- Transferring auxiliary fuel
- Briefing on range and endurance
- Fuel balancing

Engine Oil

- Quantities
- Oil types - recommendations
- Engine break-in

Loading Considerations

- Maximum gross

- Nose compartment loading
- Center of gravity and ballast
- Hull draft, when moored

Cockpit Briefing

- Operation of all standard systems, switches and controls
- Operation of avionics, as applicable
- Operation of accessories, as applicable
- Passenger briefing recommendations
- "V" speeds

Flight Training - Normal Operations

- Engine starting procedures
- Pre-takeoff checks
- Briefing on auxiliary fuel pump usage
- Power settings - climb, cruise, and descent
- Straight and level flight
- Propeller pitch control
- Mixture leaning
- Effect of gear extension and flap extension
- Turns - gentle, medium and steep
- Slow flight-characteristics, propeller cavitation, recovery
- Stalls - approach, departure, and gliding from cruise and approach configurations
- Incipient spin recognition, recovery and prevention

LANDPLANE OPERATIONS

- Ground handling & taxiing
- Airport Circuit/Pattern Procedures
- Flying the circuit/pattern
- Pre-landing checks
- Recommended approach angles

Takeoffs - Techniques

- Normal
- Soft and/or rough field - Briefing Only
- Obstacle clearance - Briefing Only
- Configuring for climb

Landings - Techniques

- Normal
- Cross-wind landings
- Short, rough and grass operations - Briefing Only
- Descent profile
- Undershoot recovery

SEAPLANE OPERATIONS

Preparation For Water Operations

- Pre-flight check of water specific equipment