Pré-Voo

Flight plan – Performed

Weight and Balance – Performed

Performance – Investigated

Inspeção Interna

Paperwork – Check on Board

Fire Extinguisher – Available

Windshild – Checked and Clean

Seats and Seats belts – Cheked

Controls Loks – Removed

Landing Gear Light – Down

Avionics – OFF

Master – ON

Landing Gear Lights – Three Green Light

Fuel Quantity – Check

Master – OFF

Fuel Selector – ON

Trims – Set Neutral

Flap – Check operation then Down

Cowl Flap – Open

Alternative Air – Close

Mixture Controls – Cuttoff

Propeller Controls – Full Forward

Throttle Controls – Idle

Magnetos – OFF

Drain Pitot System – Performed

Crossfeed – Drain

Circuit Brakes – All In

Before Start

Preflight Inspection – Completed

Brakes – Hold

Wheel Chock – Removed

Flaps – UP

Door – Close

Seat/Seat Belts – Adjusted

Master – ON

Avionics Switch – ON

Radio – ON

Clearence – Obtain

Radios – OFF

Avionics Switch – OFF

Fuel Selectors – Both ON

Cowl Flaps – Open

Alternative Air – Closed

Mixture Control – Full Forward

Propellers Control – Full Forward

Throttle – Open ½ inch

Beacon – ON

***Left Engine***

Magnetos – ON

Fuel Pump – ON for 3 Seconds then OFF

Mixture – Cutoff

Propeller Area – Clear

Starter – Engage

Mixture – Advanced as Engine Starts

Oil Pressure – Check Obs do óleo

Throttle – 1000 RPM

Alternator – ON

***Right Engine***

Magnetos – ON

Fuel Pump – ON for 3 Seconds then OFF

Mixture – Cutoff

Propeller Area – Clear

Starter – Engage

Mixture – Advanced as Engine Starts

Oil Pressure – Check Obs do óleo

Throttle – 1000 RPM

Alternator – ON

After Start

Engine Instruments – Check

Mixture – Lean ½ Inch

Avionics – ON

Radio – ON

Left Fuel Selector – 60 S in crossfeed then ON

Right Fuel Selector – 60 S in crossfeed then ON

Tranponder – STBY/SET

Taxi

Clearance – Obtain

Navegation Lights – As required

Auxiliar Lights – As required

Taxi and Departure Brief – Released

Breaks – Released

Trottles Control – Max 1200 RPM

Breaks – Check

Controle Nose well – Check

Turn Bank – Check

Before Take Off

Breaks – Applied

Take off / Emergenci Brief – Completed

Throttle Controls – 1000 RPM

Left Alternator – OFF/Check Light/ON

Right Alternator – OFF/Check Light/ON

Flight Instruments – Check/ Sets

Radios / Nav Aids – Sets

Flight Controls – Check

Ruder Trim – Neutral

Elevator Trim – Set for take OFF

Flaps – Set for take OFF

Cowl Flaps – Open

Alternative air – Closed

Mixture – Rich

Propellers Controls – Full Forward

Throttle Controls – 2000 RPM

Mixture – Check

Feater – Check obs: The RPM should be drop 1000 RPM in 1 – 3 seconds

Magnetos – Check obs: Normal drop 100 RPM. Maximum drop 175 RPM, Max diferencial drop 50 RPM

Throttles Controls – 2300 RPM

Governator – Check

Throttles Controls – Idle (RPM 800/ 1000)

Misture – Lean ½ Inch

Vacun Pumps – Check operative

Cleared Take off

Seat Belts / Doors – Fasten / Closed

Passenger – Advised / Speech

Fuel Sector Valve – Open

Mixture – Rich

Propeller Control – Full Forward

Engine Instruments – Check

Fuel Pumps – ON

Magnetos – ON

Landing Light – ON

After Take off (500 ft)

Gear – Up No lights

Flaps – UP

Throttle – 25 POL

Propeller Control -- 2500 RPM

Mixture – Set

Engine Instruments – Check

Landing Light – OFF

Auxiliar Lights – OFF

Cruise

Throttle – Set (Between 19 Pol / 22 Pol)

Propeller Control – Set 2400 RPM

Fuel Pump – OFF

Mixture – Check

Engine Instruments – Check

Pitot Heat – As required

Cowl Flaps – As required

Descent and App

Descend and Approach Briefing – Completed

Altimeter/Radio/Avionics – Set

Seats and Seatbelts – Adjusted and Fastened

Cowl Flaps – As required

Mixture – Set

Throttle – Set

Propeller Control – Set

Before Landing (Final)

Fuel Selectors – Both ON

Mixture – Rich

Propeller Control – Full Forward

Gear – Down and Locked

Fuel Pumps – ON

Landing Lights – ON

Auxiliar Lights – ON

After Landing

Flaps – UP

Mixture – Lean ½ inch

Fuel Pump – OFF

Transponder – STBY

Exterior Lights – As required

Pitot Heat – OFF

ShutDown

Break – Set

Electrical Equipament – OFF

Avionics – OFF

Throttle – 1000 RPM

Mixture – Cutoff

Engine Fire During Start

Starter – ENGAGE

Throttle Controls – Full Forward

Mixture – Cutoff

Fuel Selectors – OFF

Starter – OFF

Master – OFF

Engine Fire in Flight

Affect Engine – Identified

Throttle – Closed

Propeller – Feather

Mixture – Cutoff

Fuel Selectors -- OFF

Heater – OFF

Magnetos – OFF

Fuel pump – OFF

Cowl Flaps affected Engine – Closed

Alternator affected Engine -- OFF

Electrical load – Reduce

Engine Fail in Flight

Affected Engine – Identified

Fuel Selector – X-Feed

Alternative Air – ON

Mixture – As required

Fuel Pumps – ON

Magnetos – Left or Right only

Feathering Procedure

Affect Engine -- Identified

Minimum Speed – 90 MPH

Throttle – Idle

Propeller – Feather

Mixture – Cutoff

Magnetos – OFF

Fuel Pump – OFF

Cowl Flaps Affected Engine – Closed

Alternator Affected Engine – OFF

Electrical Load – Reduce

Unfeathering Procedure

Fuel Selector Inoperative Engine – ON

Fuel Pump – OFF

Throttle – ¼ inch

Propeller Control – Cruise Position

Mixture – Full Forward

Magnetos – ON

Starter – Engage till prop windmills

Propeller Overspeed

Affected Engine – Identified

Throttle – Closed

Speed – 105 MPH

Propeller Control – Low RPM

Throttle – Slowly Increased

Normal RPM – Check

Landing Gear Unsafe Position

Landing gear control – Down

Navegation Lights – OFF

Circuit brake – Check IN

Master – ON

Alternators – Check

Landing gear lights – Check 3 Green Lights

Manual Extension of landing gear

Landing Gear Control –Down

Circuit brake – OUT

Speed – Below 100 MPH

Emergency Gear Knob – Pull

Landing Gear Lights – Check 3 Green Lights

Gear Up Emergency Landing

Approach Speed – 100 MPH

Flaps – UP

Throttles – Close just before touchdown

Master and magnetos – OFF before Touchdown

Fuel Selector – OFF

Contact Surface – Minimum Airspeed