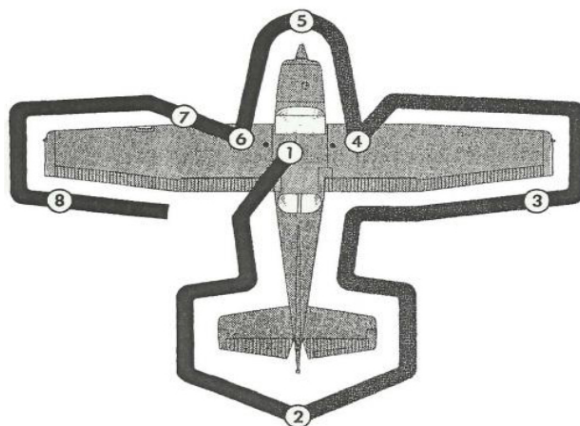


PREFLIGHT INSPECTION



AIRCRAFT DOCUMENTATION

AIRWORTHINESS CERTIFICATE	ON BOARD
REGISTRATION CERTIFICATE	ON BOARD
WEIGHT AND BALANCE MANIFEST	ON BOARD
FIAM/FIEV	ON BOARD
RADIO LICENCE - ANATEL FEE PAYMENT	ON BOARD
RETA INSURANCE	ON BOARD
NSCA 3-13	ON BOARD
AIRCRAFT POH	ON BOARD
CHECKLISTS	ON BOARD

CABIN

PITOT COVER	REMOVE
DOCUMENTS	ON BOARD / CHECKED
PARKING BRAKE	SET
FLIGHT CONTROL LOCK	REMOVED
MAGNETOS	OFF
AVIONICS MASTER	OFF
MASTER	ON
FUEL QUANTITY	CHECK QUANTITY / ANN LIGHTS
AVIONICS MASTER	ON
PA CHECK (IF REQUIRED)	CHECK
AVIONICS COOLER	CHECKED
AVIONICS MASTER	OFF
ALTERNATE STATIC AIR	CLOSED
ANNUNCIATOR PANEL	CHECKED
FUEL SELECTOR	BOTH
FUEL SHUTOFF VALVE	ON (PUSH FULL IN)
FLAPS	EXTENDED
PITOT HEAT (COLD WX OPS)	CHECK
MASTER	OFF
ELEVATOR TRIM	SET FOR TAKE OFF
FIRE EXTINGUISHER	CHECKED

LEFT SIDE FUSELAGE

LUGGAGE DOOR	CHECKED/CLOSED
GENERAL CONDITION	CHECKED

EMPENNAGE

VERTICAL/HORIZONTAL ESTABILIZER	CHECKED
TAIL TIE-DOWN	UNTIED
CONTROL SURFACES	FREE/CHECKED
LIGHTS	CHECKED
ANTENNAS	CHECKED

RIGHT SIDE FUSELAGE	
GENERAL CONDITION	CHECKED
ANTENNAS	CHECKED
RIGHT SIDE WING	
WING	CHECKED
RIGHT AILERON AND FLAP	CHECKED
LIGHTS	CHECKED
FUEL QUANTITY	VISUALLY CHECKED
FUEL CAP AND VENT	SECURE AND UNOBSTRUCTED
WING TIES	REMOVED
RIGHT SIDE LANDING GEAR	
LANDING GEAR	CHECKED
TIRE	CHECKED
BRAKES	CHECKED
ENGINE	
GENERAL CONDITION	CHECKED
OIL	CHECKED
OIL SAE50 / W100 - MINIMUM 6,0 US QUARTS MAXIMUM 7,5 US QUARTS	
PROPELLER AND SPINNER	CHECKED
ENGINE AIR INLET	UNOBSTRUCTED
AIR FILTER	CHECKED
STATIC SOURCE	CHECKED
NOSE WHEEL LANDING GEAR	
LANDING GEAR	CHECKED
TIRE	CHECKED
LEFT SIDE WING	
FUEL QUANTITY	CHECKED
FUEL CAP AND VENT	CHECKED
STALL WARNING	CHECKED
WINGS	CHECKED
LIGHTS	CHECKED
LEFT AILERON AND FLAP	CHECKED
PITOT COVER	CHECK REMOVED
WING TIES	REMOVED
LEFT SIDE LANDING GEAR	
LANDING GEAR	CHECKED
TIRE	CHECKED
BRAKES	CHECKED
DRAINS	
RIGHT WING FUEL TANKS DRAIN	DRAIN CHECKED
LEFT WING FUEL TANKS DRAIN	DRAIN CHECKED
FUEL FILTER	DRAIN CHECKED
FUEL LINES	DRAIN CHECKED
CHOCKS	
CHOCKS	REMOVED
MINIMUM FUEL	
DAYLIGHT LOCAL FLIGHT	A+B+35 LITERS
NIGHTLIGHT LOCAL FLIGHT	A+B+50 LITERS
ROUTE FLIGHT VFR	A+B+C+30 MINUTES
ROUTE FLIGHT IFR	A+B+C+60 MINUTES
OVERNIGHT EQUIPAMENT	
CHOCKS	ON BOARD
WING TIES	ON BOARD
COVERS	ON BOARD



CHECKLIST

PR-BSG



NORMAL PROCEDURES

BEFORE START

PREFLIGHT INSPECTION	COMPLETE
SEATS & SEATBELTS	ADJUSTED & FASTENED
PARKING BRAKE	CHECK SET
SHUTOFF VALVE	CLOSED (PUSH FULL IN)
FUEL SELECTOR	BOTH
CIRCUIT BRAKERS	CHECK IN
ALTIMETER	SET
ELECTRICAL EQUIPMENT	OFF
MASTER	ON
AVIONICS MASTER	ON
ATIS & CLEARANCE	COPY
ELECTRICAL SWITCHES	OFF
AVIONICS MASTER	OFF
MASTER	OFF
BRIEFING	PERFORM

CLEARED FOR START

MASTER	ON
BEACON LIGHTS	ON
THROTTLE	1/4 INCH
MIXTURE	RICH
FUEL PUMP	ON/OFF
MIXTURE	CUT OFF
PROPELLER AREA	CLEAR
START	IGNITION
MIXTURE	ADVANCE TO RICH

AFTER START

ENGINE INSTRUMENTS	CHECKED
AVIONICS MASTER	ON
ELECTRICAL SWITCHES	ON
NAVIGATION LIGHTS	AS REQUIRED
FLAPS	SET FOR TAKEOFF
ELEVATOR TRIM	NEUTRAL
FLIGHT CONTROLS	FREE AND CORRECT
FLIGHT DECK PREPARATION	COMPLETED
TAKEOFF BRIEFING	REVIEWED (if required)

BEFORE TAXI

TAXI LIGHTS	ON
TRANSPONDER	STDBY

BEFORE TAKEOFF

BRAKES	CHECKED
STEERING/COMPASS/TURN COORDINATOR	CHECKED
SEAT AND SEAT BELTS	CHECKED AND FASTENED
CABIN DOORS	CLOSED AND LOCKED
FUEL QUANTITY	CHECKED
MIXTURE	RICH
FUEL SELECTOR VALVE	BOTH
THROTTLE	1800 RPM
IGNITION SYSTEM	CHECKED AND BOTH
VACCU GAGE	CHECKED
ENGINE INSTRUMENTS	CHECKED
AMMETER	CHECKED
ANNUNCIATOR PANEL	CHECKED
MIXTURE	CHECKED / FULL RICH / ADJUSTED
IDLE	CHECKED
THROTTLE	1000 RPM
AUTOPILOT	OFF
TAKEOFF BRIEFING	REVIEWED (if required)

CLEARED FOR TAKEOFF	
STROBE / TAXI / LANDING LIGHTS	ON
TRANSPONDER	ON/ALT
AFTER TAKEOFF / CLIMB	
FLAPS	RETRACTED
THROTTLE	SET
TAXI LIGHTS / LANDING LIGHTS	OFF
MIXTURE	ADJUSTED
ENGINE INSTRUMENTS	CHECKED
CRUISE	
THROTTLE	SET
MIXTURE	LEANED
ENGINE INSTRUMENTS	CHECKED
ALTIMETER SETTING	SET STD / QNH
DESCENT	
APPROACH BRIEFING AND PREPARATION	COMPLETED
SEATS & SEATBELTS	ADJUSTED & FASTENED
FUEL SELECTOR	BOTH
APPROACH	
ALTIMETER	QNH SET 10 hPa
LANDING	
AUTOPILOT	OFF
MIXTURE	RICH
TAXI LIGHTS / LANDING LIGHTS	ON
FLAPS	SET FOR LANDING
AFTER LANDING	
FLAPS	RETRACTED
TRANSPONDER	STANDBY
LANDING LIGHTS	OFF
ELEVATOR TRIM	NEUTRAL
STROBE LIGHTS	OFF
SHUTDOWN	
TAXI LIGHTS	OFF
PARKING BRAKE	SET
ELECTRICAL SWITCHES	OFF
AVIONICS MASTER	OFF
NAVIGATION LIGHTS	OFF
MIXTURE	CUT OFF
THROTTLE	IDLE
MAGNETOS	OFF
BEACON LIGHTS	OFF
MASTER	OFF
SECURE	
SEATS & SEATBELTS	ADJUSTED & FASTENED
FLIGHT CONTROL LOCK	INSTALL
CHOCKS	INSTALL
PITOT TUBE COVER	INSTALL
ENGINE INLET COVER (IF APPLICABLE)	INSTALL
DOCUMENTS	REMOVED
CLEAN	PERFORMED
<div> <div> - Engine test RPM: 1800 RPM - Maximum RPM drop: 150 </div> <div> Takeoff briefing sequence: <ul style="list-style-type: none"> - Wind speed and direction - Runway in use - Runway conditions and characteristics - Taxi procedure - Takeoff procedure - Climb procedure - Emergency procedure </div> <div> Approach briefing sequence: <ul style="list-style-type: none"> - Wind speed and direction - Runway in use, conditions and characteristics - Approach procedure - Landing configuration - Missed approach procedure - Alternate airport - Taxi out procedure </div> </div>	
REV 04 - 15/07/2021	



CHECKLIST

PR-BSG



EMERGENCY PROCEDURES

ENGINE FAILURE DURING TAKEOFF ROLL

THROTTLE	IDLE
BRAKES	APPLY
WING FLAPS	RETRACT
MIXTURE	IDLE CUT OFF
IGNITION SWITCH	OFF
MASTER SWITCH	OFF

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

WING FLAPS UP	70 KIAS
WING FLAPS DOWN	65 KIAS
MIXTURE	IDLE CUT OFF
FUEL SHUTOFF VALVE	OFF
IGNITION SWITCH	OFF
WING FLAPS	AS REQUIRED
MASTER SWITCH	OFF
CABIN DOOR	UNLATCH
LAND	STRAIGHT AHEAD

ENGINE FAILURE DURING FLIGHT

AIRSPEED	68 KIAS
FUEL SHUTOFF VALVE	ON
FUEL SELECTOR VALVE	BOTH
AUXILIARY FUEL PUMP SWITCH	ON
MIXTURE	RICH
IGNITION SWITCH	BOTH/START
AUXILIARY FUEL PUMP SWITCH	OFF

EMERGENCY LANDING WITHOUT ENGINE POWER

PASSENGER SEAT BACKS	MOST UPRIGHT POSITION
SEATS AND SEAT BELTS	SECURE
WING FLAPS UP	70 KIAS
WING FLAPS DOWN	65 KIAS
MIXTURE	IDLE CUT OFF
FUEL SHUTOFF VALVE	OFF
IGNITION SWITCH	OFF
WING FLAPS	AS REQUIRED
MASTER SWITCH	OFF
DOORS	UNLATCH PRIOR TO TOUCHDOWN
TOUCHDOWN	SLIGHTLY TAIL LOW
BRAKES	APPLY HEAVILY

PRECAUTIONARY LANDING WITH ENGINE POWER

PASSENGER SEAT BACKS	MOST UPRIGHT POSITION
SEATS AND SEAT BELTS	SECURE
AIRSPEED / FLAPS	65 KIAS / 20°
SELECTED FIELD	FLY OVER
AVIONICS MASTER SWITCH	OFF
ELECTRICAL SWITCHES	OFF
WING FLAPS	30 °
AIRSPEED	65 KIAS
MASTER SWITCH	OFF
DOORS	UNLATCH PRIOR TO LAND
TOUCHDOWN	SLIGHTLY TAIL LOW
IGNITION SWITCH	OFF
BRAKES	APPLY HEAVILY

DITCHING

RADIO	MAYDAY 121.5MHz
TRANSPONDER	7700
HEAVY OBJECTS	SECURE OR JETTISON
PASSENGER SEAT BACKS	MOST UPRIGHT POSITION
SEATS AND SEAT BELTS	SECURE
WING FLAPS	20° TO 30°
POWER	300 FT/MIN AT 55 KIAS
IF NO POWER AVAILABLE	70 KIAS
CABIN DOORS	UNLATCH
ELT	ACTIVATE

FIRE DURING START ON GROUND	
IGNITION SWITCH	START/CONTINUE CRANKING
IF ENGINE STARTS	
POWER	1800 RPM
ENGINE	SHUTDOWN
IF ENGINE FAILS TO START	
THROTTLE	FULL OPEN
MIXTURE	IDLE CUT OFF
CRANKING	CONTINUE
FUEL SHUTOFF VALVE	OFF
AUXILIARY FUEL PUMP SWITCH	OFF
FIRE EXTINGUISHER	ACTIVATE
ENGINE	SECURE
MASTER SWITCH	OFF
IGNITION SWITCH	OFF
ENGINE FIRE IN FLIGHT	
MIXTURE	IDLE CUT OFF
FUEL SHUTOFF VALVE	OFF
AUXILIARY FUEL PUMP SWITCH	OFF
MASTER SWITCH	OFF
CABIN HEAT AND AIR	OFF
AIRSPPEED	100 KIAS OR MORE
FORCED LANDING	EXECUTE
ELECTRICAL FIRE IN FLIGHT	
MASTER SWITCH	OFF
VENTS / CABIN AIR / HEAT	CLOSED
FIRE EXTINGUISHER	ACTIVATE
AVIONICS MASTER SWITCH	OFF
ELECTRICAL LOAD	REDUCED
ASCERTAINING THAT FIRE HAS BEEN EXTINGUISHED, VENTILATE THE CABIN	
MASTER SWITCH	ON
CIRCUIT BREAKERS	CHECK FOR FAULTY DO NOT RESET
RADIO SWITCHES	OFF
AVIONICS MASTER SWITCH	ON
RADIO/ELECTRICAL SWITCHES	ON ONE AT A TIME
CABIN FIRE	
MASTER SWITCH	OFF
VENTS / CABIN AIR / HEAT	CLOSED
FIRE EXTINGUISHER	ACTIVATE
WING FIRE	
LANDING / TAXI LIGHTS SWITCHES	OFF
NAVIGATION LIGHT SWITCH	OFF
STROBE LIGHT SWITCH	OFF
PITOT HEAT SWITCH	OFF
ICING CONDITION	
PITOT HEAT SWITCH	ON
ALTITUDE OR FLIGHT LEVEL	DESCENT
FLAPS	MAINTAN RETRACTED
LAND AT THE NEAREST SUITABLE AIRPORT	
AUTO PILOT / AUTOPILOT TRIM / MANUAL ELECTRIC TRIM	
CONTROL WHEEL	GRASP FIRMLY
A/P DISC/TRIM INT SWITCH	PRESS AND HOLD
RE TRIM	MANUALLY
AUTOPILOT CIRCUIT BRAKER	DISCONECT MANUALLY
STATIC SOURCE BLOCKAGE	
STATIC PRESSURE ALTERNATE SRC VALVE	PULL ON
AIRSPPEED	Consult on Section 5 - Performance
ELECTRICAL EXCESSIVE RATE OF CHARGE	
ALTERNATOR	OFF
ELECTRICAL LOAD	REDUCE
LAND AT THE NEAREST SUITABLE AIRPORT	
FOR EXPANDED OPERATION, CHECK THE ORIGINAL PILOT OPERATION HANDBOOK ON BOARD	