

CHECKLIST FOR OH-STL MIK

21.6.2016 / MA

BEFORE START

PREFLIGHT CHECKS.....COMPLETED
 BAGGAGE AND TOW BAR.....SECURED
 REQUIRED DOCUMENTS.....ONBOARD
 EMERGENCY FUEL VALVE.....NORMAL/SECURED
 POWER LEVER.....IDLE
 PARKING BRAKE.....SET
 ALTERNATE AIR.....CLOSED
 ELECTRIC MASTER (start key).....OFF
 AVIONIC MASTER.....OFF
 ESSENTIAL BUS.....OFF
 ALTERNATE STATIC.....CLOSED
 VOTER SWITCH.....AUTO
 FUEL PUMPS.....OFF
 ENGINE MASTER.....OFF
 ALL LIGHT SWITCHES.....OFF
 HORIZON EMERGENCY SWITCH.....OFF/GUARDED
 ELT.....ARMED
 CIRCUIT BREAKERS.....CHECKED IN
 FLAP SELECTOR.....UP
 PITOT HEAT.....OFF
 FUEL TRANS.....OFF
 ELECTRIC MASTER (start key).....ON (check avionic fan noise)
 RUDDER PEDALS.....ADJUSTED AND LOCKED
 PASSENGERS.....INSTRUCTED
 SEATBELTS.....FASTENED
 REAR DOOR.....CLOSED AND LATCHED
 FRONT CANOPY.....POSITION 1 OR 2
 G1000.....POWERED AND ACKNOWLEDGED
 • MFD FUEL QUANTITY CHECKED, RESET/SET IF REQUIRED
 • FUEL TEMPERATURE.....CHECKED
 • TOTAL TIME IN SERVICENOTED
 • MFDENGINE-SYSTEM, ENGINE-DEFAULT

ENGINE START

STROBE.....ON
 POWER LEVER.....CHECK IDLE
 ENGINE MASTER ON (annunciations/engine instruments checked)
 GLOW INDICATION.....OFF
 PROPELLER AREA.....CLEAR
 ELECTRIC MASTER (start key).....START
 OIL PRESSURE.....OUTSIDE RED WITHIN 3 SECONDS
 ANNUNCIATIONS/ENGINE INSTRUMENTSCHECKED
 VOLTAGE, ELECTRICAL LOAD.....CHECKED
 IDLE RPM.....CHECK 710 ±30 RPM
 PITOT HEAT.....ON, ANNUNCIATIONS+AMPS CHECKED, OFF

MAX POWER 50% UNTIL ENGINE TEMPERATURES IN GREEN RANGE

BEFORE TAXI

AVIONIC MASTER.....ON
 FMS SETUP
 • Initialize (AUX 4, MAP)
 • Flight plan
 • Radios (COM, NAV, ADF, DME, CDI, BRG 1,2)
 • Performance (speed bugs)
 AUTOPILOT TEST
 • DISCONN press, check electric trim not working
 • AP ON, check annunciations and overpowering
 • DISCONN press, check AP off, observe disconnect tone
 INSTRUMENT LIGHT, FLOOD LIGHT.....AS REQUIRED
 POSITION LIGHTS.....AS REQUIRED
 FLAPS.....FULL TRAVEL, THEN T/O
 ALTIMETERS (3: STDBY,PFD,AP).....SET + COMPARED
 STANDBY HORIZON.....CHECKED
 TRANSPONDER.....CODE /MODE CHECKED

TAXIING

TAXI LIGHT.....AS REQUIRED
 PARKING BRAKE.....RELEASE
 DURING TAXI.....CHECK BRAKES AND FLIGHT INSTRUMENTS

BEFORE TAKE-OFF

PARKING BRAKE.....SET
 SEAT BELTS.....FASTENED
 REAR DOOR.....CLOSED+LATCHED
 FRONT CANOPY.....CLOSED+LATCHED
 DOOR WARNING.....OFF
 CIRCUIT BRAKERS.....CHECKED
 FLAPS.....CHECK T/O
 ELECTRIC ELEVATOR TRIM.....CHECK T/O
 FLIGHT CONTROLSFREE MOVEMENT, CORRECT SENSE
 POWER LEVER.....IDLE
 ENGINE INSTRUMENTS.....GREEN RANGE CHECKED
 VOTER SWITCH.....A, AUTO, B, AUTO
 ECU TEST.....PERFORM
 POWER LEVER.....MAX FOR 10 SECONDS
 • ANNUNCIATIONS.....CHECK OK/NORMAL RANGE
 • INSTRUMENTS.....CHECK WITHIN NORMAL RANGE
 • LOAD (OAT 0–20 °C).....MIN 96% (RPM 2200-2300)
 TAKE-OFF BRIEFING.....PERFORMED
 PITOT HEAT.....AS REQUIRED
 CIRCUIT BREAKERS.....CHECKED

LINE-UP

TRANSPONDER.....CHECKED
 FUEL PUMPS.....ON
 LANDING LIGHT, POSITION LIGHTS.....ON/AS REQUIRED
 PARKING BRAKE.....RELEASE

AFTER TAKEOFF

FLAPS.....UP
 CLIMB POWER (MAX 92% OR MAX 2100 RPM).....SET
 FUEL PUMPS.....OFF

CRUISE

POWER LEVER.....65–75%
 ENGINE INSTRUMENTS.....MONITOR
 FUEL TRANSFER.....AS REQUIRED

APPROACH

ALTIMETERS (3)SET
 EXTERIOR LIGHTS.....AS REQUIRED
 AUTOPILOT.....OFF
 FUEL PUMPS.....ON

AFTER LANDING

FLAPS.....UP
 PITOT HEAT.....OFF
 ALTERNATE AIR.....CLOSED
 FUEL PUMPS.....OFF
 LANDING/TAXI LIGHT.....AS REQUIRED
 TRANSPONDER.....AS REQUIRED

ENGINE SHUTDOWN

PARKING BRAKE.....SET
 POWER LEVERIDLE
 ELT.....121,500 CHECKED
 MFD ENGINE-SYSTEM.....CHECK
 MFD ENGINE-FUEL TTL TIME.....NOTED
 AVIONIC MASTEROFF
 LIGHTS EXCEPT STROBE.....OFF
VERIFY ENGINE OIL TEMP MAX 92 °C BEFORE SHUTDOWN
 ENGINE MASTER.....OFF
 STROBE.....OFF
WHEN ENGINE INDICATIONS X-OUT RED:
 ELECTRIC MASTER (start key).....OFF
 START KEY.....REMOVED

OH-STL SPEEDS	1000 kg	1100 kg	1280 kg
ROTATE	58 KIAS	61 KIAS	67 KIAS
V _x (FLAPS T/O)	65 KIAS	67 KIAS	72 KIAS
V _y	72 KIAS	72 KIAS	72 KIAS
APPROACH (LDG)	68 KIAS	72 KIAS	77 KIAS

FLAPS: T/O 110, LDG 98
 MAX FUEL UNBALANCE: 9 GALLONS