

PRE FLIGHT FLOWS

Download charts
 MCJ84 Control Panel: Load PAX, CARGO & FUEL
 Calculate V SPEEDS
>> START SKYTRACK

PRE START CHECKLIST

PARKING BRAKE SET
 DOCUMENTATION ON BOARD
 DOORS OPEN
 BATTERIES (MSTR, MAIN, AUX, STDBY) CHECK ON
 MAIN BUS TIE TIE
 SAFETY EQUIPMENT CHECKED
 LANDING GEAR LIGHTS & PINS CHECKED 3
 ENGINE INTAKE DOORS GREEN
 CIRCUIT BREAKERS CHECKED IN
 ARCDU (RADIOS) ON
 FMS: DATA>SERVICES ..ON>ACCEPT>REQUEST GPU
 MFD2 CHECK DC EXT POWER
 MFD1 SYS, press DOORS > SYS
 MFD2 NAV > SYS
 PRESSURIZATION PANEL SET LDG ALT
 ENGINE START 1 & 2 NORM
 PACKS AUTO
 RECIRC FAN ON
 BLEEDS / BLEED AIR OFF / MIN
 TEMP CONTROL AS REQUIRED
 PASSENGER SIGNS ON
 EMERGENCY LIGHTS ARMED

Start Boarding

DEMISTERS / SIDE VENTS OPEN
 NOSE STEERING OFF
 FLIGHT / TAXI SWITCH TAXI
 YAW DAMPER & HDG ON
 ANTI SKID SWITCH ON
 CONTROL LOCK ON
 POWER LEVERS DISC
 CONDITION LEVERS FUEL OFF
 TRIMS (3x) SET
 ARCDU SET ATIS- & GND FREQ.

Check ATIS

ALTIMETER & STDBY ALTM SET QNH
 FMS: FPL enter ROUTE
 FMS: FPL>MENU enter SID & STAR
 FMS: FUEL enter FUEL

Request Clearance

TRANSPONDER enter SQUAWK
 POWER LEVER PRESS TO/GA BUTTON
 NAV SOURCE FMS1
 HEADING BUG SET RWY HEADING
 ALTITUDE BUG SET ALTITUDE + PRESS ALT SEL
 MDA SET ACCELERATION ALTITUDE
 SPEED BUG SET V SPEEDS
 ARCDU SET NAVAID FREQUENCIES
 DOORS CLOSE
 MFD1 NAV
 CABIN REPORT RECIEVED

STARTUP CHECKLIST

Request Pushback & Startup

ANTI-COLLISION LIGHTS RED
 APU BLEED OFF

GND-Crew: Call for Pushback
“Clear on two - starting engine two...”

ENGINE START SELECTOR ENGINE #2
 ENGINE START PUSH
 CONDITION LEVER #2 'FUEL ON'
 ITT MAX 920°C, NH >64.2%, OIL PRESS > 44psi CHK
 ENG OIL PRESS WARNING LIGHT OFF
 START SELECT SW / -LIGHT NEUTRAL / OUT

“Engine two stabilized...”
repeat for Engine One

EXT POWER / APU OFF
 FMS: DATA>SERVICES CANCEL GPU
 after Pushback BRAKES SET

AFTER START CHECKLIST

EXTERNAL POWER & APU OFF
 MAIN BUS TIE OFF
 ELECTRICAL PANELS CHECKED
 CONDITION LEVERS MAX
 AUTOFEATHER SELECTED
 AUX FUEL PUMPS ON
 STBY HYDR PRESS & PTU CNTRL ON
 FLAPS & SPEEDS X-CHECKED & CHECKED
 RUDDER FULL TRAVEL
 NOSE STEERING ON
 PFD MFD ED CHECKED
 BLEEDS ON / MINIMUM
 DE-ICE PRESSURE CHECKED
 ICE PROTECTION TEST / AS REQUIRED
 TRANSPONDER, TCAS ALT, ON

Request Taxi Clearance

TAXI LIGHTS ON

TAXI CHECKLIST

PARKING BRAKE RELEASED
 FLIGHT CONTROLS CHECKED
 TAKE-OFF POWER NTOP or RDC
 FLIGHT INSTRUMENTS CHECKED
 TAKE-OFF WARNING TESTED
 CONTROL LOCK OFF
 BRAKES TEST
 CABIN CREW SEATS FOR TAKE-OFF PLEASE

BEFORE TAKE-OFF CHECKLIST

PARKING BRAKE SET
 PITOT STATIC HEATERS ON
 DE-ICE AS REQUIRED
 FLIGHT-TAXI SWITCH FLIGHT
 AUTOPILOT: HDG PRESS 2X TO RESET FD
 CAUTION PANEL CHECK CLEAR
 PFD GA, HDG, ALT SEL SHOWING

Request Take-Off Clearance

TRANSPONDER ON
 LANDING LIGHTS ON
 TAXI LIGHTS OFF
 ANTI COLLISION LIGHTS WHITE
 HDG BUG RWY HDG

TAKE-OFF CHECKLIST

POSITIVE RATE OF CLIMB TOUCH BRAKES
 LANDING GEAR RETRACT
 At 1'000FT AGL FLAPS 0°
 AUTOPILOT ENGAGE
 AUTOPILOT IAS > SET CLIMB SPEED
 CONDITION LEVERS 900
 BLEEDS NORM
 AUTOPILOT NAV

CLIMB-OUT CHECKLIST

STBY HYDR PRESS & PTU CNTRL OFF
 AUX FUEL PUMPS OFF
 AUTOFEATHER OFF
 ICE PROTECTION AS REQUIRED
 WX RADAR ON
 ARCDU CHIME (Cabin Crew Released)
 ALTIMETER & STDBY ALTM SET STD QNH
Passing 10'000 ft
 LANDING LIGHTS OFF
 SEATBELT SIGNS OFF

CRUISE

CONDITION LEVERS 850
 POWER LEVERS SET 240 – 260 KTS
 INSTRUMENTS OBSERVE

DESCENT PREPARATION CHECKLIST

Descent Planning:
 TOD Point = Current Altitude X 3
 ROD (Rate Of Descent) = Half Groundspeed X 10
 ALTITUDE BUG SET, ALT SEL
 PRESSURIZATION SET
 GWPS FLAPS SELECTOR SET AS REQUIRED
 V-SPEEDS, MSA, MDA/DH SET
 APPROACH BRIEFING COMPLETE

DESCENT CHECKLIST

AUTOPILOT V/S
 PITCH WHEEL - 1800 fpm
 POWER LEVERS 230 KTS
passing 10'000 ft
 LANDING LIGHTS ON
 SEAT BELT SIGNS ON
 ICE PROTECTION AS REQUIRED
passing TA (Transition Altitude)
 ALTIMETER & STDBY ALTM SET LOCAL QNH
 APPROACH NAVAIDS / ILS SET

APPROACH CHECKLIST

ALTIMETERS SET
 FUEL TRANSFER OFF
 AUX FUEL PUMPS BOTH ON
 STBY HYDR PRESS & PTU CNTRL OFF
 CAUTION PANEL CHECKED
 POWER LEVERS 180 KTS (25% TQ)

CABIN CLEAR NOTIFICATION RECIEVED
10 NM from Destination
 FLAPS FLAPS 5° < 200 KTS
 POWER LEVERS 160 KTS (20% TQ)
 ICE PROTECTION AS REQUIRED
 TAXI LIGHTS ON
 CABIN CREW SEATS FOR LANDING
 AUTOPILOT APPR
5 NM from Destination

LANDING CHECKLIST

LANDING GEAR DOWN, 3 GREEN
 FLAPS SET & CHECKED
 CONDITION LEVERS MAX
 BLEEDS MIN, AS REQUIRED
 POWER LEVERS MAINTAIN Vapp (15% TQ)
 AUTOPILOT OFF (at Decision Height)

AFTER LANDING CHECKLIST

LANDING LIGHTS OFF
 ANTI-COLLISION LIGHTS RED
 FLIGHT-TAXI SWITCH TAXI
 CONTROL LOCK ON
 FLAPS RETRACTED
 AUX FUEL PUMPS OFF
 ICE PROTECTION ALL OFF / WINDSHIELD ON
 MAIN BUS TIE TIE
 YAW DAMPER OFF
 PITOT STATIC HEATERS OFF
 TRANSPONDER / TCAS STD BY
 WX RADAR OFF
taxi to Gate...

PARKING CHECKLIST

TAXI LIGHTS OFF (before arriving at gate)
 PARKING BRAKE SET
 CONDITION LEVERS START FEATHER
 STBY HYDR PRESS & PTU CNTRL OFF
 POWER LEVERS DISC
 NOSE STEERING OFF
 BLEEDS MIN / OFF
 GPU / APU AS REQUIRED
 CONDITION LEVERS FUEL OFF
 SEATBELT SIGNS OFF
 LIGHTS AS REQUIRED
 MFD1 SYS > DOORS
 MFD2 SYS
 DOORS OPEN
Deboarding
 BATTERIES AS REQUIRED
 FMS NOTE FLIGHT TIMES AND FUEL USED

>> SKYTRACK – PIREP FILED !

PFD = Primary Flight Display
 MFD = Multi Function Display
 ARCDU = Audio and Radio Control Display Unit
 EICAS = Engine Indication and Crew Alerting System