This is the second of a series of Atlantic Sun Airways CAT C pilot procedures and checklists for our fleet. Use them with good judgment. Note, the start procedures may vary from FS9 Panel to Panel. However the “V” speeds are appropriate for our ASA FS9 A330.

**General Characteristics**

**Dimensions:**
- Wing Span: 197 ft 10 in
- Length: 210 ft
- Height: 55 ft 2 in
- Wing Area: 3908.4 sq ft

**Engines:**
Choice of two 67,000 lb General electric Cg6-80E1A2s, 64,000 lb Pratt & Whitney PW-4164s, or 68,000 lb Rolls-Royce Trent 768 or Trent 772 turbofans.

**Weight and Capacities**
- Operating Empty: 268,675 lb with CF6 engines, 269,975 with PW-4000s, and 268,900 lb with Trents.
- Basic Max. Takeoff: 467,380 lb
- Passenger seating arrangements for 295 in three classes or 335 in two classes (30 first Class at 2+3+2 and 305 Coach Class at 2+4+2). Max passengers in high-density configuration: 440.
- Crew: 2 + 5

**Performance:**
- Max Cruising Speed: 475 kts at 33,000 ft
- Economical Cruising Speed: 464 kts
- Range with 335 passengers and reserves: 4,500 nm with CF6s, or 4,550 nm with P&W engines, or 4,640 with Trents.
THE CHECKLISTS

PRESTART CHECKLIST
Parking Brake SET
Throttle IDLE
Fuel Flow CUTOFF
BATT Master Switch ON
Panel Light AS REQUIRED
Avionics ON
Landing Gear Lever CHECK DOWN
Flaps UP
Spoiler RETRACTED
Fuel Quantity CHECK
Pitot Heat/Anti-ice OFF
Flight Controls FREE AND CORRECT
Fasten Seat Belts ON
No Smoking ON
Check Weather CHECK (ATIS, Flight Service)
Elevator Trim TAKEOFF SETTING
Dei-ice TEST/CHECK
PRESTART CHECKLIST contd.
Request Clearance
Transponder STANDBY
Beacon ON

STARTUP CHECKLIST
Engine/Throttle Panel ACTIVATE
Thrust Levers IDLE
Engine Area CLEAR
Mode Selector IGN/START
ENG 1 starts immediately at N2 = 20% Fuel Flow ON
Fuel flow CHECK
N1 increasing as N@ incr CHECK
Eng 2 starts after Eng 1 is running at N2 = 20% fuel flow ON
Fuel Flow CHECK
N1 increasing as N2 incr CHECK
Mode Selector NORMAL

BEFORE TAXI CHECKLIST
Nav Lights ON
Taxi Lights / Runway Turnoff Lights ON
Heading Indicator/Altimeters SET
Radios and Avionics SET FOR DEPARTURE
Autopilot SET, ARM don’t activate
Autothrottle SET, ARM, don’t activate
F/D ON
Yaw Damper ON
Autobrake RTO
REQUEST Taxi Clearance

TAXI CHECKLIST
Parking Brake RELEASE
Taxi to assigned runway SPEED Max. 20 knots
Brakes/Gyro/Turn Coordinator CHECK during taxi/turns
Artificial Horizon ERECT during turns

BEFORE TAKEOFF CHECKLIST
Parking Brake SET
Throttle IDLE
Elevator Trim SET for takeoff
Flap Position Lever FLAPS 10 deg.
Spoilers RETRACTED
Flight Instruments CHECKED
Engine Instruments CHECK
Takeoff Data (V1, Vr, V2) CHECK
Nav Equipment CHECK
Landing Lights ON
Taxi Lights / Runway Turnoff Lights OFF
Strobe Lights ON
Pitot Heat ON
De-ice AS REQUIRED
BEFORE TAKEOFF CHECKLIST cont.
Transponder
 Request Takeoff Clearance

TAKEOFF CHECKLIST
Smoothly increase thrust to
Takeoff Thrust
Brakes
V1=
Vr=
Pitch
V2=
At Positive Climb Rate
Landing Gear
At 180 KIAS
At 210 KIAS

CLIMBOUT CHECKLIST
Throttle
Trim for
Autopilot/Autothrottle
Below 10,000’ max. speed
ATC
Fasten Seatbelts
No Smoking
Landing Lights
Above 10,000’ speed

ON

40% N1 let spool up
FULL or TO/GA
RELEASE
140 KIAS (decision)
145 KIAS (rotate)
10 deg. nose up
150 KIAS (safety speed)
Touch Brakes
RETRACT
RETRACT flaps to 5 deg.
RETRACT flaps up

AS REQUIRED
250 KIAS / 1800 fpm
CHECK and ACTIVATE

250 KIAS
AS REQUIRED
OFF
OFF
OFF
300 KIAS
CRUISE CHECKLIST (above FL 180)
At Transition Altitude (FL180) set Altimeter to 29.92 (1013 mb)
Accelerate to cruise speed FL180 0.68 mach (332KIAS)
FL240 0.75 mach (330KIAS)
FL280 0.80 mach (325KIAS)
FL330 0.80 mach (292KIAS)

Engine+ Instruments
Fuel Quantity
Radios
Autopilot
Lights
CHECK
CHECK
TUNED and SET
CHECK and SET
AS REQUIRED

DESCENT CHECKLIST
ATIS /Airport Information
Altimeter
Radios
De-ice
CHECK
CHECK
CHECK
AS REQUIRED

Descent Speed
to FL240 0.78 mach
to FL180 0.68 mach

At Transition Altitude (FL180) reset Altimeters to local
to 12,000’ 300 KIAS
Below 10,000’ 250 KIAS

Fuel Quantities and Balance
Flaps /Landing Gear
Check Weather
CHECK
CHECK UP
(ATIS, Flight Service)
**APPROACH CHECKLIST**

On Localizer Level flight:
- Fasten Seat Belts: **ON**
- No Smoking: **ON**
- Avionics + Radios: SET
- Speed: Establish: 220 KIAS
- Landing Lights: **ON**
- Auto Spoilers: ARM
- Autobrake: SET
- Flap Lever Position: 5 deg.
- Speed: Establish: 200 KIAS
- Speed: Establish: 180 KIAS
- Flaps Lever Position: 20 deg.
- Speed: Establish: 165 KIAS
- Landing Gear: DOWN
- Set Flap Lever Position: 25 deg. or FULL

*Final glide Slope Descent:*
- Speed Establish: 155 KIAS
- Elevator Trim: AS DESIRED
- Parking Brake: VERIFY OFF
- De-ice: AS REQUIRED

**LANDING CHECKLIST**

- Landing Gear: CHECK DOWN
- Autopilot: OFF
- Landing Speed: 145 KIAS
- After Touchdown: Apply Reverse Thrust
  - 60 KIAS: Cancel Reverse Thrust
  - VERIFY EXTENDED
  - AS REQUIRED

- Spoilers: OFF
- Brakes: UP

**TAXI TO RAMP CHECKLIST**

- Strobe Light: RETRACTED
- Flaps: ON
- Spoilers: OFF
- Taxi Lights /Runway Turnoff Lights: 1200 / OFF
- Landing Lights: TAKEOFF SETTING
- Speed: Max. 20 knots
SHUTDOWN CHECKLIST

Parking Brake                  SET
Throttles                      IDLE
Passenger Signs                OFF
Air-conditioning Fan           OFF
Pitot Heat                     OFF
De-ice                         OFF
Taxi Lights / Runway turnoff Lights OFF
Nav Lights                     OFF
F/D                            OFF
Avionics                       OFF
Fuel flow                      OFF
Eng Start Switches 1 – 2       OFF
Beacon                         OFF
Panel Lights                   OFF
Passenger Door                 OPEN
BATT Master Switch             OFF

SECURING AIRCRAFT

Parking Brake                  VERIFY SET
Throttles                      VERIFY IDLE
All Switches                   VERIFY OFF
Passenger Door                 CLOSED

Good Luck and enjoy using these procedures, I have flight tested and verified them on FS9. Of course if you have a real A330 use the Operating Procedures in your AFM!

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