

# Airbus A-319

## Atlantic Sun Airways CAT B Pilot Procedures



**This is the fifth of a series of Atlantic Sun Airways CAT B pilot procedures and checklists for our fleet. Use them with good judgment.**

### General Characteristics

#### Dimensions:

Wing Span: 111 ft 3 in  
Length: 111 ft 0 in  
Height: 38 ft 8.5 in  
Wing Area: 1317.5 sq ft

#### Engines:

Two 22,000 to 23,500lb CFM56-5As or two International Aero Engines IAE V2500-A5s.

#### Weight and Capacities

Operating Empty: 87,930lb.  
Standard Max Takeoff: 141,094lb.  
High Gross Weight Max Takeoff: 166,450lb.

#### Passengers

Seating for 124 passengers in a typical two-class configuration (eight first class and 116 economy class). High-density single class layout can seat 142 passengers.

Crew: 2 + 2

#### Performance:

Max. Cruising speed 487kt at 28,000ft, economical cruising speed 454kt. At 37,000ft. Range at 141,095lb. Takeoff weight 1831NM, range at 166,450lb. Takeoff weight is 3697NM.



## THE CHECKLISTS

### PRESTART CHECKLIST

Parking Brake  
 Throttle  
 BATT Master Switch  
 Panel Light  
 Landing Gear Lever  
 Flaps  
 Spoiler  
 Fuel Quantity  
 Pitot Heat  
 Aircraft Lighting  
 Flight Controls  
 Fasten Seat Belts  
 No Smoking  
 Check Weather  
 De-Ice

*Request ATC Clearance*

Transponder

Beacon

### STARTING CHECKLIST

Engine/Throttle Panel

SET  
 IDLE  
 ON  
 AS REQUIRED  
 CHECK DOWN  
 UP  
 RETRACTED  
 CHECK  
 OFF  
 OFF  
 FREE AND CORRECT  
 ON  
 ON  
 (ATIS, Flight Service)  
 TEST/CHECK

STANDBY

ON

ACTIVATE

Thrust Levers	IDLE
Engine Area	CLEAR
Mode Selector	IGN/START
Eng. 1 Start Switch	START (hold)
At N2>20% Fuel Flow Eng 1	ON
N1 Increasing as N2 incr.	CHECK
Oil Pressure	CHECK

Repeat for Eng. 2

GEN Switches	ON
Mode Selector	NORM
APU Pressure	OFF
Pitot Heat	ON
Airconditioning Fan	ON
De-ice	AS REQUIRED

**BEFORE TAXI CHECKLIST**

Nav Lights/Strobes	ON
Taxi Lights / Runway Turnoff Lights	ON
Heading Indicator/Altimeters	SET
Standby Instruments	SET
Radios and Avionics	SET FOR DEPARTURE
Autopilot	SET, don't activate
Flight Director	ON
Autothrottle	SET, ARM, don't activate
Yaw Damper	ON AS REQUIRED
Autobrake	RTO
Elevator Trim	SET for takeoff
<i>Request ATC Taxi Clearance</i>	

**TAXI CHECKLIST**

Passenger Signs	ON
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
Flap Position Lever	FLAPS 5 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
Transponder	ON
<i>Request ATC Takeoff Clearance</i>	

### **TAKEOFF CHECKLIST**

Smoothly increase thrust to	40% N1 let spool up
Takeoff Thrust	FULL or TO/GA
Brakes	RELEASE
V1=	145 KIAS (decision)
Vr=	150 KIAS (rotate)
Pitch	10 deg. nose up
V2=	155 KIAS (safety speed)
At Positive Climb Rate	Touch Brakes
Landing Gear	RETRACT
At 180 KIAS	RETRACT Flaps to 2 deg.
At 210 KIAS	RETRACT flap up

### **CLIMBOUT CHECKLIST**

Throttle	AS REQUIRED
Trim for	250 KIAS / 1800 fpm
Autopilot/Autothrottle	CHECK and ACTIVATE
Below 10,000' max. speed	250KIAS
<i>ATC</i>	<i>AS REQUIRED</i>
Fasten Seatbelts	OFF
No Smoking	OFF
Landing Lights	OFF
Above 10,000' speed	280 KIAS

**CRUISE CHECKLIST (above FL 180)**

At Transition Altitude (FL180) set Altimeter to  
Accelerate to cruise speed

29.92 (1013 mb)  
FL180 0.69 mach (345KIAS)  
FL240 0.76 mach (335KIAS)  
FL280 0.80 mach (325KIAS)  
FL330 0.82 mach (300KIAS)

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 0.75 mach  
to FL180 0.65 mach

At Transition Altitude (FL180) reset Altimeters to local

to 12,000' 300 KIAS  
Below 10,000' 240 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  
No Smoking  
Avionics + Radios  
Speed: Establish  
Landing Lights  
Auto Spoilers  
Autobrake  
Flap Lever Position  
Speed: Establish  
Flap Lever Position  
Speed: Establish  
Landing Gear  
Set Flap Lever Position  
*Final Glide Slope Descent:*  
Speed Establish  
Elevator Trim  
Parking Brake  
De-ice

ON  
ON  
SET  
210 KIAS  
ON  
ARM  
SET  
2 -10 deg.  
180 KIAS  
20 deg.  
160 KIAS  
DOWN  
30 deg. or FULL  
  
150 KIAS  
AS DESIRED  
VERIFY OFF  
AS REQUIRED

### **LANDING CHECKLIST**

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

### **TAXI TO RAMP CHECKLIST**

Strobe Light	OFF
Flaps	UP
Spoilers	RETRACTED
Taxi Lights /Runway Turnoff Lights	ON
Landing Lights	OFF
Speed	Max. 20 knots
Transponder	1200 / OFF
Elevator Trim	TAKEOFF SETTING
APU Pressure	ACTIVATE

### **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
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 A-319 use the Operating Procedures in your AFM!

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