

Boeing 777-300

Atlantic Sun Airways CAT C Pilot Procedures



This is the third 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 777-300.

General Characteristics

Dimensions:

Wing Span: 199 ft 11 in
Length: 242 ft 4 in
Height: 60 ft 9 in
Wing Area: 4,605 sq. ft

Engines:

Either two 90,000 lb Pratt & Whitney PW-4090 turbofans, or 98,000 lb PW-4098s, or 92,000 lb Rolls-Royce Trent 892s, or 92,000 lb General electric GE90-92Bs.

Weight and Capacities

Operating Empty: 353,600 lb
Basic Max. Takeoff: 580,000 lb
High Gross Weight MTOW: 660,000 lb
Flightcrew of two.

Typical passenger accommodation for 389 (30 first Class, 84 business Class, and 254 Coach Class) to 394 in three class arrangements, 400 to 479 in two class arrangements or up to 550 in an all coach high density configuration.

Performance:

Typical Cruising Speed: 482 kts
Range with 386 passengers in a three-class passenger configuration: 5,720 nm



THE CHECKLISTS

PRESTART CHECKLIST

Parking Brake
 Throttle
 Fuel Flow
 BATT Master Switch
 Landing Gear Lever
 Flaps
 Spoiler
 Fuel Quantity
 Engine Instruments
 Pitot Heat
 Aircraft Lighting / Anti-ice
 Flight Controls
 Avionics
 Fasten Seat Belts/No Smoking
 Check Weather
 Anti-ice
Request Clearance
 Transponder
 Beacon

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

 STANDBY
 ON

STARTUP CHECKLIST

Engine/Throttle Panel	ACTIVATE
Thrust Levers	IDLE
Engine Area	CLEAR
Eng 1 Start Switch	START (hold)
At N2 > 20% Fuel Flow Eng 1	ON
Fuel Flow	CHECK
N1 increasing as N2 incr.	CHECK
Eng 2 Start Switch	START (hold)
At N2 > 20% Fuel Flow Eng 2	ON
Fuel Flow	CHECK
N1 increasing as N2 incr.	CHECK
Oil Pressure	CHECK
De-ice	AS REQUIRED
MFD	EICAS

BEFORE TAXI CHECKLIST

Nav Lights	ON
Taxi Lights	ON
Heading Indicator/Altimeters	SET
Radios and Avionics	SET FOR DEPARTURE
Autopilot	SET, don't activate
Autothrottle	SET, don't activate
F/D	ON
Yaw Damper	ON
Autobrake	RTO
Elevator Trim	SET for takeoff
<i>Request Taxi Clearance</i>	

TAXI CHECKLIST

Parking Brake	RELEASED
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
Throttle
Flap Position Lever
Spoilers
Flight Instruments
Engine Instruments
Takeoff Data (V1, Vr, V2)
Nav Equipment
Landing Lights
Taxi Lights / Runway Turnoff Lights
Strobe Lights
Pitot Heat
De-ice
Transponder
Request Takeoff Clearance

SET
IDLE
FLAPS 5 deg.
RETRACTED
CHECKED
CHECK
CHECK
CHECK
ON
OFF
ON
ON
AS REQUIRED
ON

TAKEOFF CHECKLIST

Smoothly increase thrust to
Takeoff Thrust
Brakes
V1=
Vr=
Pitch
V2=
At Positive Climb Rate
 Landing Gear
At 190 KIAS
At 210 KIAS
MFD

40% N1 let spool up
FULL or TO/GA
RELEASE
155 KIAS (decision)
160 KIAS (rotate)
10 deg. nose up
165 KIAS (safety speed)
Touch Brakes
RETRACT
RETRACT flaps to 1 deg.
RETRACT flaps up
ND

CLIMBOUT CHECKLIST

Throttle
Trim for
Autothrottle
Autopilot
Autobrake
Below 10,000' max. speed
ATC
Fasten Seatbelts
No Smoking
Landing Lights
Above 10,000' speed

AS REQUIRED
250 KIAS / 1800 fpm
ARM and SET
ON and SET
OFF
250 KIAS
AS REQUIRED
OFF
OFF
OFF
280 KIAS

CRUISE CHECKLIST (above FL 180)

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

29.92 (1013 mb)
FL180 0.67 mach (330KIAS)
FL240 0.75 mach (330KIAS)
FL280 0.80 mach (325KIAS)
FL330 0.84 mach (310KIAS)

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
MFD
Landing Lights
Auto Spoilers
Autobrake
Flap Lever Position
Speed: Establish
Flap Lever Position
Speed: Establish
Flaps Lever Position
Speed: Establish
Landing Gear
Set Flap Lever Position

ON
ON
SET
210 KIAS
EICAS
ON
ARM
SET
5 - 10 deg.
180 KIAS
20 deg.
180 KIAS
20 deg.
160 KIAS
DOWN
30 deg. or FULL

APPROACH CHECKLIST contd.

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	150 KIAS
After Touchdown	Apply Reverse Thrust
	60KIAS: Cancel Reverse Thrust
Spoilers	VERIFY EXTENDED
Brakes	AS REQUIRED
Autobrake	OFF

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

SHUTDOWN CHECKLIST

Parking Brake	SET
Throttles	IDLE
Passenger Signs	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 777-300 use the Operating Procedures in your AFM!

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