

# AIRBUS 320/321 COCKPIT FLOWS

In this document you will find the associated Airbus 320/321 flows from cold and dark right through to securing the aircraft. They are derived from the aerosoft “Step by Step” document with tweaks and adjustments to reflect more efficient and real world airbus operations. Of course different companies will implement slight adjustments to their respective flows, but the ones found here reflect a generic flow that goes well with no matter which livery you are operating under.

If you are new to the theory of “flows” it is as such; flows are memorized items (usually through visual repetition) that get done before a checklist is run. You will quickly find that the flows in this document are organized very efficiently and have a very systematic and logical sequence to them to make memorization simple. It is usual that by the 10<sup>th</sup> time of using this document the average flight simmer should be able to do this entire document from memory due to visual memorization.

The best mode to run these flows on is with the *Aerosoft Airbus X Extended* with the Checklist and First Officer function enabled.

For any questions please contact me at [coo@arabianva.com](mailto:coo@arabianva.com)

All the best,

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# AIRBUS 320/321 COCKPIT FLOWS

## [COCKPIT PREPARATION FLOWS]

1.PFD LT.....	BRT
2.ND LT.....	BRT
3.ECAM UPPER DISPLAY.....	BRT
4.ECAM LOWER DISPLAY .....	BRT
5.FLOOD LT .....	AS RQRD
6.INTEG LT .....	AS RQRD

### **--OVERHEAD PANEL--**

1.BATTERY .....	ON - CHECK VOLTAGE
2.EXTERNAL POWER .....	ON
3.IRS/ADIRS .....	ON
4.ELEC HYDR PUMP .....	ON
5.FUEL PUMPS .....	ON
6.ENG GEN .....	ON/FAULT
7.PACK 1+2 .....	ON
8.ENG BLEED 1+2 .....	ON
9.HOT AIR .....	ON
10.ENG ANTI ICE/PROBE .....	OFF
11.EMERGENCY LIGHTS .....	ARMED
12.CABIN SIGNS .....	ON
13.NAV & LOGO LIGHTS .....	ON
14.EFC 1+2 .....	ON
15.GPWS .....	ON

### **--PEDESTAL--**

1.PARK BRAKE .....	SET
2.FLAPS .....	VERIFY 0
3.SPEEDBRAKE .....	RETRACTED/DISARMED
4.ENG MASTER 1+2 .....	OFF
5.ENG MODE SEL .....	NORM
6.THRUST LEVERS .....	IDLE
7.TRANSPONDER .....	STANDBY
8.RADIO CONTROL PANEL .....	ON
10.FREQUENCIES .....	SET

### **--ECAM & MAIN PANEL--**

1.ECAM RECALL BUTTON .....	SELECT
2.LANDING GEAR .....	VERIFY DOWN
3.MCDU2 > DOORS .....	VERIFY OPEN
3.ANTISKID/NWS .....	ON
4.FD .....	ON

## [--COCKPIT PREPARATION CHECKLIST--]

[--COMPLETE--]

# AIRBUS 320/321 COCKPIT FLOWS

[FMGS SETUP]

- |   |       |                           |
|---|-------|---------------------------|
| 1.ATIS/ATC CLEARANCE .....                    | ..... | OBTAI                     |
| 2.TRANSPONDER CODE .....                      | ..... | SET                       |
| 2.MCDU .....                                  | ..... | SET                       |
| 3.QNH MODE .....                              | ..... | VERIFY                    |
| 4.QNH .....                                   | ..... | SET                       |
| 5.ND MODE/RANGE .....                         | ..... | SET                       |
| 6.VOR/ADF .....                               | ..... | SELECT                    |
| 7.SPEED MANAGED/SELECTED .....                | ..... | AS RQRD                   |
| 8.HDG MANAGED/SELECTED .....                  | ..... | AS RQRD                   |
| 9.INITIAL ALTITUDE SET/MANAGED/SELECTED ..... | ..... | AS RQRD                   |
| 10.IRS .....                                  | ..... | CONFIRM ALIGNED           |
| 10.FD .....                                   | ..... | CYCLE OFF THEN ON         |
| 11.LS .....                                   | ..... | OFF                       |
| 12.ECU .....                                  | ..... | VERIFY CORRECT & COMPLETE |

--FMGS SETUP--

--COMPLETE--

--BEFORE START FLOWS--

- [ BEFORE START TESTS ]**

1.FUELING .....	VERIFY DISCONNECTED,KG,BALANCED,& SUFFICIENT
2.CHOCKS .....	REMOVED
3.TRAFFIC CONES .....	REMOVED

## --OVERHEAD PANEL--

- |                   |               |
|-------------------|---------------|
| 1.APU .....       | <b>START</b>  |
| 4.APU BLEED ..... | <b>ON</b>     |
| 5.EXT POWER ..... | <b>OFF</b>    |
| 6.DOORS .....     | <b>CLOSED</b> |
| 7 BEACON          | <b>ON</b>     |

--BEFORE START CHECKLIST--

--COMPLETE--

## --PUSHBACK & ENGINE START FLOWS--

- 1.PUSH & START CLEARANCE ..... OBTAIN  
2.GROUND COMMUNICATION ..... INITIATE/FOLLOW COMMANDS  
3.RIGHT SIDE ..... VERIFY CLEAR

--PEDESTAL--

- |                           |                    |
|---------------------------|--------------------|
| 4.ENG MODE SELECTOR ..... | IGN/START          |
| 5.ENG MASTER 2 .....      | ON                 |
| --ECAM--                  |                    |
| 6.ECAM .....              | MONITOR            |
| 7.ENGINE .....            | CONFIRM STABILIZED |
| 8.STEP 3,5-7 .....        | REPEAT FOR ENG 1   |

#### [--PUSHBACK & ENGINE START FLOWS--]

--COMPLETE--

# AIRBUS 320/321 COCKPIT FLOWS

## [--AFTER START FLOWS--]

### --OVERHEAD PANEL--

- |                             |         |
|-----------------------------|---------|
| 1.ENG & WING ANTI ICE ..... | AS RQRD |
| 2.APU BLEED .....           | OFF     |
| 3.APU MASTER .....          | OFF     |

### -PEDESTAL-

- |                           |         |
|---------------------------|---------|
| 1.PITCH TRIM .....        | SET     |
| 2.ENG MODE SELECTOR ..... | AS RQRD |
| 3.SPOILERS .....          | ARMED   |
| 4.FLAPS .....             | SET     |
| 5.RUD TRIM .....          | 0       |

### --ECAM--

- |                         |         |
|-------------------------|---------|
| 1.FLIGHT CONTROLS ..... | CHECK   |
| 2.ECAM DOOR PAGE .....  | CHECKED |
| 3.ECAM STATUS .....     | CHECKED |

### --OTHER--

- |                      |          |
|----------------------|----------|
| 1.HAND SIGNALS ..... | RECEIVED |
|----------------------|----------|

## [--AFTER START CHECKLIST--]

## [--COMPLETE--]

## [--TAXI FLOWS--]

- |                        |          |
|------------------------|----------|
| 1.TAXI CLEARANCE ..... | OBTAIN   |
| 2.PARK BRAKE .....     | RELEASED |
| 3.AUTO BRAKE .....     | MAX      |
| 4.TO CONFIG .....      | PRESS    |
| 5.TAXI LIGHT .....     | ON       |

## [--TAXI CHECKLIST--]

## [--COMPLETE--]

## [--BEFORE TAKE OFF FLOWS--]

### --PEDESTAL--

- |                           |                    |
|---------------------------|--------------------|
| 1.TCAS .....              | TA/RA - TILT ABOVE |
| 2.ENG MODE SELECTOR ..... | AS RQRD            |

### --ECAM--

- |                    |            |
|--------------------|------------|
| 1.BRAKE TEMP ..... | CHECK >150 |
|--------------------|------------|

### --MAIN PANEL--

- |                       |        |
|-----------------------|--------|
| 1.BRAKE FANS .....    | OFF    |
| 2.SLIDING TABLE ..... | STOWED |

### --ATC--

- |                                    |        |
|------------------------------------|--------|
| 1.TAKE OFF/LINE UP CLEARANCE ..... | OBTAIN |
|------------------------------------|--------|

### --OVERHEAD PANEL--

- |                    |    |
|--------------------|----|
| 1.EXT LIGHTS ..... | ON |
|--------------------|----|

## [--BEFORE TAKE OFF CHECKLIST--]

## [--COMPLETE--]

# AIRBUS 320/321 COCKPIT FLOWS

[--AFTER TAKE OFF FLOWS--]  
@ACCEL HEIGHT

- |                              |         |
|------------------------------|---------|
| 1.SPOILER .....              | DISARM  |
| 2.ENGINE MODE SELECTOR ..... | AS RQRD |
| 3.TAXI LIGHT .....           | OFF     |
| 4.ENG & WING ANTI ICE .....  | AS RQRD |
| 5.PACK 1+2 .....             | ON      |

[--AFTER TAKE OFF CHECKLIST--]

[--COMPLETE--]

[--10,000FT FLOWS--]

- |                        |         |
|------------------------|---------|
| 1.EXT LIGHTS .....     | OFF     |
| 2.SEAT BELT SIGN ..... | AS RQRD |
| 3.PRESSURIZATION ..... | CHECKED |

[--10,000FT FLOWS--]

[--COMPLETE--]

[--PREDESCENT FLOWS--]

- |                        |                       |
|------------------------|-----------------------|
| 1.ATIS .....           | OBTAIN                |
| 2.MCDU .....           | FPLN,PERF,NAV/RAD SET |
| 3.NAV ACCURACY .....   | CHECK                 |
| 4.AUTO BRAKE .....     | SET                   |
| 5.SEAT BELT SIGN ..... | ON                    |
| 6.ANTI ICE .....       | AS RQRD               |

[--DESCENT CHECKLIST--]

[--COMPLETE--]

[--10,000FT FLOWS--]

- |                        |           |
|------------------------|-----------|
| 1.SLIDING TABLES ..... | STOWED    |
| 2.EXT LIGHTS .....     | ON        |
| 3.SEAT BELT SIGN ..... | VERIFY ON |
| 4.LS .....             | PUSH      |
| 5.PRESSURIZATION ..... | CHECKED   |
| 6.ECAM STATUS .....    | CHECK     |

[--APPROACH CHECKLIST--]

[--COMPLETE--]

# AIRBUS 320/321 COCKPIT FLOWS

## [--LANDING FLOWS--]

WHEN FULLY CONFIGURED AND ESTABLISHED ON APPROACH

- |                                  |         |
|----------------------------------|---------|
| 1.TAXI LIGHT .....               | SET T/O |
| 2.MISSED APPROACH ALTITUDE ..... | SET     |
| 3.SPOILERS .....                 | ARMED   |
| 4.LANDING MEMO .....             | NO BLUE |

## [--LANDING CHECKLIST--]

## [--COMPLETE--]

## [--AFTER LANDING FLOWS--]

- |                                |            |
|--------------------------------|------------|
| 1.SPOILERS .....               | RETRACT    |
| 2.ENG MODE SELECTOR .....      | NORM       |
| 3.FLAPS .....                  | RETRACT    |
| 4.TRANSPONDER .....            | STBY       |
| 5.BRAKE TEMP .....             | CHECK >300 |
| 6.EXT LIGHTS .....             | OFF        |
| 7.APU .....                    | START      |
| 8.ENGINE & WING ANTI ICE ..... | OFF        |

## [--AFTER LANDING CHECKLIST--]

## [--COMPLETE--]

## [--PARKING FLOWS--]

- |                        |         |
|------------------------|---------|
| 1.PARK BRAKE .....     | SET     |
| 2.ENG MASTER 1+2 ..... | OFF     |
| 3.SEAT BELT SIGN ..... | OFF     |
| 4.BEACON .....         | OFF     |
| 5.EXT POWER .....      | ON      |
| 6.FUEL PUMPS .....     | OFF     |
| 7.APU .....            | AS RQRD |

## [--PARKING CHECKLIST--]

## [--COMPLETE--]

\*NOTE – Once the doors have opened up, the APU bleed can be turned on for cabin air conditioning. APU BLEED VERIFY OFF prior to commencing Securing Flows.

# AIRBUS 320/321 COCKPIT FLOWS

## [--SECURING FLOWS--]

1.PFD LT .....	OFF
2.ND LT .....	OFF
3.ECAM UPPER LT .....	OFF
4.ECAM LOWER LT .....	OFF
5.ADIRS .....	OFF
6.EXT POWER .....	OFF
7.GEN .....	ON
8.APU .....	SHUTDOWN
8.CABIN SIGNS & EMERGENCY LIGHTS .....	OFF
9.BAT 1+2 .....	OFF

## [--SECURING FLOWS--]

## [--COMPLETE--]