



iniBuilds Airbus A310 Flows

| Cold & Dark | |
|-------------------|--|
| Ignition | Check Off |
| Wipers | Verify Off |
| Throttles | Check ⇒ Throttle Levers Idle ⇒ Reversers Stowed |
| Engine HP Valves | Verify Off |
| Landing Gear | Lever Down |
| Batteries | Verify Off |
| Electrical Switch | Test ⇒ Batteries 1, 2, 3 Above 25v ⇒ If below 25v, Batteries Off and External Power On To Recharge |
| Batteries | On ⇒ 1, 2, 3 On |
| External Power | Connected <i>(If Not Avail, Start APU)</i> |
| APU Fire Test | Perform Press & Hold APU Fire Loop Test |
| APU | Start <i>(If No External Power)</i> Master Switch On ⇒ Verify LOW PRESS Light Start ⇒ Verify ON Light ⇒ Verify Parameters Behind FO Seat On Back Panel ⇒ Verify ACEL Light ⇒ Verify AVAIL Light Fuel Pump Inner Pump L Tank 2 On |
| Probe Heat | Verify Off |
| Window Heat | Verify Off |
| Annunciator Light | Test Verify All Bulbs Work Correctly Verify Windshear Audible Warning |
| Bleed Air | APU Bleed On <i>(If APU On)</i> |
| Packs | On <i>(If APU On)</i> Verify Green Bar Indicating Bleed Air Flow |

| Brake & Overhead Flows | |
|--|---|
| Brake Test | <i>(Verify Chocks In Before Performing)</i> Parking Brake Off ⇒ Verify Pressure Drops Parking Brake On Switch Braking System To Alternate Parking Brake Off ⇒ Verify Pressure Drops Apply Foot Brakes ⇒ Verify Pressure Increases Parking Brake On Parking Brake Accu Pressure Button On ⇒ Verify Pressure Returns to Normal Parking Brake Accu Pressure Button Off |
| IRS Alignment | Switches 1 - 3 To Nav ⇒ Verify BATT OPPEP Light ⇒ Verify ALIGN MODE Light |
| MCDU | INIT Page Insert FROM/TO Airport Press Align IRS ⇒ Check ECAM To Confirm Aligning |
| No Smoking | Auto/On |
| Seatbelts | On <i>(Off If Still Refuelling)</i> |
| Hydraulic Pumps | Verify LOW PRESS Lights On |
| Spoiler, Speed Brake, Pitch Feel & Rudder Feel | Verify Expected Lights On |
| Strobe Light | Auto |
| Nav Lights | System 1 or System 2 |
| Anti-Ice | Off |
| ATS Switches | On |
| Yaw Damper Switches | On |
| Pitch Trim Switches | On <i>(If IRS Aligned)</i> ⇒ Verify "IRS In Align" Not Displayed On ECAM |
| Galley Power | On |
| Electrical Power Panel | Verify No White Lights |
| Electrical Switch | Set to EMER and ESS |

| | |
|----------------------------|--|
| Engine Fire Test | Perform ⇒ Verify ENG1 Fire Handle Latch Is Secure Press & Hold ENG1 Fire Loop Test ⇒ Verify Fire Loop Lights & Audible Warning ⇒ Verify ECAM Message Press & Hold ENG1 Squib Test ⇒ Verify SQUIB Light |
| Ignition | Ignition Off |
| Fuel Indicators | Displaying Expected Amounts ⇒ Verify With FUEL ECAM Page If Discrepancy |
| Fuel Pumps | Off (Unless APU Running Fuel Pump Inner Pump L Tank 2 On) |
| Fuel Isolation Valves | Verify On With Inline Green |
| Backup Landing Gear Lights | Check Working ⇒ Verify Three Green Arrow Lights ⇒ Verify DOWNLK Lights |
| Cockpit Voice Recorder | Test ⇒ Press & Hold Green Test Button |
| Pressurisation Panel | Verify Working ⇒ Change Between System 1 & System 2 ⇒ Verify Auto Press Rate Knob In NORM Position ⇒ Verify MAN PRESS Off ⇒ Verify Both Valves Open |
| Probe & Window Heat | Off Unless In Cold Weather |
| Oxygen | Crew LO PR SUPPLY On ⇒ Verify LP Gage In Green ⇒ Verify HP Gage Above 1400psi |
| Engine Fire Test | Perform ⇒ Verify ENG2 Fire Handle Latch Is Secure Press & Hold ENG2 Fire Loop Test ⇒ Verify Fire Loop Lights & Audible Warning ⇒ Verify ECAM Message Press & Hold ENG2 Squib Test ⇒ Verify SQUIB Light |
| Equipment Cooling | Verify In Overboard Verify Overrides Off |
| Cockpit Door | Open To Greet Passengers <i>If Feeling Social</i> |
| Bleeds | Verify Bleeds & Pressure (If APU On) |
| Air Conditioning | Temperatures As Required |

Reminder: Pitch Trims On When IRS Aligned

| Upper & Lower Pedestals | |
|-------------------------|--|
| Master Warning | Off (If On Assess As Necessary) |
| PFD/ND Brightness | Adjust As Necessary |
| Flight Director | On |
| NAV Switch | Set to NAV |
| EFIS | Set As Required |
| Decision Height | Set To DH ⇒ Verify Set To -5 For Departure |
| Altitude | Set To First Constraint |
| Heading | Set Runway Heading |
| RAM Air Turbine | Off ⇒ Verify Flush With Panel ⇒ If Deployed Contact Maintenance |
| CPT Panel Lighting | Adjust As Necessary |
| Oxygen Test | Perform ⇒ Verify Oxygen Flow |
| Altitude Instruments | Set QNH ⇒ Verify CPT, FO & Standby All Corroborate |
| Brake System | Verify Normal Mode |
| Engine Temperature | EGT Within Limits If Turnaround |
| Landing Elevation | Set Landing Elevation For Destination Airport |
| Landing Gear Lever Test | Perform Press & Hold Test Button ⇒ Verify Alarm Repeat For System 2 |
| Overhead Panel Lighting | Adjust As Necessary |
| ADF & Radio Frequencies | Set As Required |
| Transponder | Set Squawk ⇒ Verify STBY ⇒ Verify Mode 1 Or 2 Conduct TCAS Test |
| ECAM Brightness | Adjust As Necessary |
| ECAM | Verify Engine Oil Qty & All Other Parameters For Flight |
| Rudder Trim | Reset To 0 |
| Weather Radar | Off ⇒ Verify Tilted Up For Departure |
| Emergency Cancel | Guarded |
| Flaps & Spoilers | Set To 0 & Disarmed |

| FMS / MCDU | |
|----------------------------|--|
| A/C Status Page | Check ⇒ Verify Correct Aircraft Type ⇒ Verify Engine Type ⇒ Verify AIRAC |
| INIT/A Page | Enter ⇒ Origin + Dest ⇒ Flight No ⇒ Flight Data As Required (<i>Cl, Alt, Wnds</i>) |
| Flight Plan Page | Enter ⇒ Route, Airways ⇒ Departure ⇒ Arrival (<i>If Known</i>) |
| Secondary Flight Plan Page | Copy Active |
| PROG Page | Enter ⇒ VOR's For Departure ⇒ Verify Cruise Alt |
| INIT/B Page | Enter (<i>Ensure Weights In EFB</i>) ⇒ Block Fuel ⇒ ZFW ⇒ Centre Of Gravity (<i>Required For Fuel Control Computer</i>) ⇒ ALT Fuel |
| CAPT/TO Approach Page | Enter (<i>Speeds From EFB</i>) VI, VR THR RED ALT ACCEL ALT |
| Speed Bug | Enter V2 Speed Verify Showing On CAPT/TO Approach Page |
| PROG PAGE | Verify Optimum Cruise Altitude Expected |

| Pre-Departure Checks | |
|----------------------|---|
| Thrust Rating Panel | Verify TOGA Or Flex ° Entered |
| Speed Bug | Push Out Then In ⇒ Verify Pre-Set Light On ⇒ Enter Under 10,000 Speed |
| FCP | Profile On ⇒ Verify Green Light Nav ON ⇒ Verify Green Light ⇒ Verify P.CLIMB & NAV Armed On PFD |
| APU | On (<i>If Using External Power</i>) <i>Follow Cold & Dark Flow</i> APU Bleed On |
| Packs | Verify On |
| External Power | Off ⇒ Verify Disconnected |
| Fuel Pumps | On |
| Window & Probe Heat | On |
| Checklist | Before Start Checklist (<i>On EFB</i>) ⇒ Down To The Line |

| Pushback & Startup | |
|--------------------|--|
| Doors | Push Door ECAM Button ⇒ Verify Doors Closed Cockpit Door & Windows Closed |
| Beacon Light | On |
| Parking Brake | On Until Tug Requests Disconnect |
| Checklist | Before Start Checklist (<i>On EFB</i>) Below The Line |
| Pushback | Commence |
| Ignition | Move To Either A Or B ⇒ Ensure To Use Different One Per Day |
| Engine 2 Start | Push Button ⇒ Verify Blue Light ⇒ Verify N2 ⇒ Verify Oil Pressure ⇒ Verify 20% N2 Engine 2 Fuel Mixture To On ⇒ Verify Fuel Flow ⇒ Verify 45% N2 ⇒ Monitor Engine Parameters |

| | |
|----------------|--|
| Engine 1 Start | Push Button Verify Blue Light Verify N2 Verify Oil Pressure Verify 20% N2 Engine 1 Fuel Mixture To On Verify Fuel Flow Verify 45% N2 Monitor Engine Parameters |
| Ignition | Off |
| APU | Bleed Off APU Off <i>(Unless Required For TO)</i> |
| Anti-Ice | Set As Required |
| Flaps | Set As Required Verify Indicating As Set On Panel Annunciator |
| Speed Brake | Arm |
| Rudder Trim | Reset |
| Pitch Trim | Set As Required |
| Pushback Tug | Disconnect Verify Clear Left & Right Verify Pin Removed |
| Checklist | After Start Checklist <i>(On EFB)</i> |

| Taxi | |
|---------------|---|
| Clear Sides | Check ⇒ Captain Verify Left Is Clear Out Window ⇒ FO Verify Right Is Clear Out Window |
| Taxi Light | On |
| Parking Brake | Off |
| Brake Check | Test ⇒ Verify Aircraft Stops When Foot Brake Applied |

| Taxi Speeds | |
|-------------------|-----------|
| Runway Back-track | Max 50kts |
| Taxiway | Max 30kts |
| Apron | Max 15kts |
| Turn > 45 degrees | Max 10kts |

| Taxi (continued) | |
|----------------------|--|
| Flight Control Check | Test ⇒ Display Flight Controls ECAM Page ⇒ Verify All Controls Within Parameters |
| Flight Directors | Verify On |
| PFD | Verify ⇒ P.CLIMB Armed <i>(Blue)</i> ⇒ NAV Armed <i>(Blue)</i> |
| Weather Radar | On ⇒ Verify Tilt Set Appropriately ⇒ Verify Turbulence Set To On |
| Takeoff Config Test | Press & Hold ⇒ Verify T.O TEST NORMAL Displayed On ECAM |
| Checklist | Before Takeoff Checklist <i>(On EFB)</i> ⇒ Down To The Line |

| Before Takeoff | |
|-----------------|--|
| Approach Clear | Verify No Traffic On Approach |
| ECAM | Wheel Page Verify ⇒ Brake Temperatures Within Limits ⇒ Brake Fan Off |
| Autobrake | Set Max <i>Set After Takeoff Config Test, Otherwise Alarm Will Sound</i> |
| Ignition | Off ⇒ Set To Continuous Relight If Icing, Heavy Rain Or Turbulence On Departure |
| Packs | Set As Required |
| Transponder | TA/RA |
| Clearance | Obtain TO Or Lineup Clearance |
| Exterior Lights | Landing Lights On Strobe On Runway Turnoff Lights On Nose Light To Takeoff Wing Lights On <i>(If Night Or Low Vis)</i> |
| Checklist | Before Takeoff Checklist <i>(On EFB)</i> ⇒ Below The Line |

| Takeoff | |
|---------------|--|
| Thrust Levers | Advance To 50% NI ⇒ Verify Stable |
| Pitch | Push Forward Approx 25-50% |
| Go Levers | Press Go Levers |
| FMA | Read Changes |
| >80kts | Release Forward Pressure By 100kts |
| Pitch | Pitch To FD at 3° Per Second |
| Positive Rate | |
| Gear | Up |
| Autopilot | On |
| Speed Brake | Disarm |
| Lights | Nose & Runway Turnoff Lights Off <i>(As Soon As Gear Up)</i> |
| Thrust | Verify Climb Thrust Available On Thrust Rating Panel <i>(Should Remain In Auto)</i> |
| Packs | On <i>(If Turned Off For TO)</i> |
| Flaps | Up ⇒ Verify 20kts Above F Speed Before Retracting ⇒ Verify Above S Speed Before Retracting Slats |
| Ignition | Off |
| EFIS | As Required |
| Gear | Neutral |
| Checklist | After Takeoff Checklist <i>(On EFB)</i> |

| Climb | |
|---------------------|---|
| Transition Altitude | |
| Altimeter | Set Standard ⇒ Cross Check CAPT, FO, STBY |
| Above 10,000 | |
| Landing Lights | Off |
| Seat Belts | As Required |
| Cabin Pressure | Confirm Cabin Pressurising ⇒ If Issue Identified Level Off At 10,000 |
| Weather Radar | Adjust Tilt As Required |

| Cruise | |
|---------------------|---|
| Thrust Rating Panel | Verify CR Mode ⇒ Verify Set Manually If Not In PROFILE |
| ECAM | Memo Page ⇒ Review Status Page ⇒ Review Sys Page ⇒ Periodically Review |
| Fuel Check | Verify ⇒ Expected Fuel At Waypoints Every 30mins |
| Weather Radar | Adjust Tilt As Required |
| PA | Inform Passengers ⇒ Notify Passengers Of Delays, Turbulence, Progress etc. |

| Approaching TOD <i>(10mins or 80nm Before TOD)</i> | |
|---|---|
| ECAM | Status Page ⇒ Verify Any Capability Downgrades Which Would Affect Landing Fuel Page ⇒ Check |
| ATIS | Obtain |
| Landing Elevation Pressure | Check ⇒ Verify Elevation Change If Landing Airport Different To Plan |
| MCDU | F-PLAN Page ⇒ Verify Runway Selected <i>Before</i> STAR PROG Page ⇒ Enter DES Wind On Forecast Page APPR Page ⇒ Verify Expected Flaps ◆ Slats/Flaps 20/20 For Expected Windshear ⇒ Enter MDA ⇒ Check/Modify Go Around ALT's On Go Around Page |
| Decision Height | Set To -5 ⇒ Verify -5 For MDA Or DH Approaches Set To 0 ⇒ For CAT II Or CAT III Only |
| Autobrake | Set As Required ⇒ LO For normal runway length ⇒ MID for contaminated, low visibility or short runway length ⇒ None for long runways |

| | |
|-------------------------|---|
| GPWS Slats/Flaps Switch | Set As Required ⇒ If 20/20 Slats/Flaps Selected On APPR Page Push Button <i>Alarm Will Sound If Not Pushed On 20/20 Landing</i> |
| Approach Briefing | Perform |
| Altitude Bug | Select Altitude ⇒ For PROFILE Descent Turn To Cleared Altitude And Pull Verify ⇒ P.THR/P.DES Armed On PFD |
| Anti Ice | As Required |

| Descent | |
|-----------------|--|
| Altimeters | Set As Required ⇒ Cross Check CAPT, FO, STBY |
| Seatbelts | On ⇒ Verify Before 10,000ft |
| 10,000 Feet | |
| Exterior Lights | As Required ⇒ Verify Wing Lights On In Night Or Low Visibility Conditions |
| Ignition | Off or Continuous Relight ⇒ Set To Continuous Relight If Icing, Heavy Rain Or Turbulence Expected |
| Terrain | On PM Side |
| Checklist | Approach Checklist <i>(On EFB)</i> |

| Approach | |
|--------------------------|--|
| Precision Approach (ILS) | |
| FCP | Engage Land Mode ⇒ Must Be Within 30° Of ILS Course |
| LOC Capture | Monitor |
| G/S | Monitor Capture @ Final Descent Point |
| Slats/Flaps | As required <i>Do not use Speedbrake at Flaps 15 or Greater</i> |
| Gear | Down ⇒ Nose Light to TO |
| Configured | Fully configured by 1000AGL ⇒ Must go around if not |

| Approach (continued) | |
|-----------------------------------|---|
| Non-Precision Approach (RNP/RNAV) | |
| Altitude | Ensure at final approach altitude early to allow time to configure |
| FCP | Lateral Navigation ⇒ Must be in NAV Vertical Navigation ⇒ CANNOT be in Profile (Alt Hold or Lvl Chg) |
| MCDU | TO/APPR ⇒ Select Final 3° (bottom-right) ⇒ Verify VDEV displayed |
| FCP | Press Profile once ⇒ Mode will <u>not</u> engage ⇒ Verify P.DES displayed on PFD |
| Slats/Flaps | As required <i>Do not use Speedbrake at Flaps 15 or Greater</i> |
| Gear | Down ⇒ Nose Light to TO |
| Configured | Fully configured <i>before</i> Final Descent Point |
| FDP | Monitor Descent & VDEV |

| Landing | |
|-----------------|--|
| Checklist | Landing Checklist <i>(on EFB)</i> |
| Stable | Fully Stable 500AGL ⇒ Must go around if not |
| Speedbrake | Armed |
| Throttle Levers | Retard |
| Spoilers | Monitor ⇒ Confirm Extension |
| Throttle Levers | Pull Reverse Levers ⇒ Verify Airport Procedures, Idle Reverse Thrust Or Full Reverse ⇒ Verify REV UNLOCK Light |
| Brakes | Monitor ⇒ Auto Braking If Selected ⇒ Apply <i>(If Manual Braking)</i> |
| Throttle Levers | Reverse Idle ⇒ By 80kts Stowed ⇒ Taxi Speed |

| After Landing | |
|------------------|---|
| Flaps | Retracted |
| Speedbrake | Disarmed |
| Exterior Lights | Landing Lights Off Strobe Auto Runway Turnoff Lights As Required Nose Light To Taxi Wing Lights Off |
| APU | On ⇒ Verify APU Supplying Power Before Engine Shutoff |
| Transponder/TCAS | Standby & Off |
| Weather Radar | Off |
| Pitch Trim | 1° Up |
| ECAM | Wheel Page Verify ⇒ Brake Temperatures ⇒ Set Brake Fan If Required |
| Checklist | After Landing Checklist <i>(On EFB)</i> |

| Stand Arrival | |
|------------------|--|
| Exterior Lights | Nose Light Off |
| Parking Brake | On |
| Bleed Air | APU Bleed On |
| Engine Shut-down | Off ⇒ Engine Fuel Levers To Off ⇒ Verify N1 and N2 Spool Down ⇒ Verify APU Power Supply ⇒ Verify EGT Falling |
| Beacon | Off ⇒ Verify Engines Have Spooled Down |
| Pressure | Check ⇒ Verify Cabin Pressure Differential Is 0 ⇒ Inform Cabin Crew Doors May Be Opened |
| Seat Belt Signs | Off |
| Parking Brake | Off When Chocks In Place |
| Fuel Pumps | Off ⇒ Fuel Pump Inner Pump L Tank 2 On <i>(If APU On)</i> |
| Probe Heat | Off |
| Window Heat | Off |
| IRS | Verify ⇒ Current Position & Error ⇒ Reset If Necessary |
| Brake Fans | Off ⇒ Verify Below 100° Before Turning Off |
| Checklist | Parking Checklist <i>(On EFB)</i> |

| Emergency / Abnormal | |
|----------------------|---|
| Checklist | Refer To Inibuilds A310-300 Manual ⇒ Pages 67-79 |