

# 4.1 Cockpit Preparation

## Objective

To ensure the aircraft is correctly configured, powered, and programmed prior to engine start.

---

## Crew Concept

- **PF (Pilot Flying):**
    - Reviews flight plan
    - Performs MCDU setup
    - Cross-checks entries
  - **PM (Pilot Monitoring):**
    - Performs cockpit setup
    - Powers aircraft systems
    - Executes checklists
- 

## Initial Cockpit Setup

### **PM:**

1. BAT 1 + BAT 2 → ON
2. External Power → ON (if available)

### **Check:**

- ECAM displays active
  - No abnormal warnings
- 

## Overhead Panel Setup (PM)

- Fuel Pumps → ON

- Hydraulic Panel → CHECK
- Electrical Panel → CHECK
- Air Conditioning → SET

#### **ADIRS:**

- Set all IR selectors → NAV
- 

## Cockpit Lighting (PM)

- Set as required for conditions
- 

## MCDU Initialization (PF)

### INIT A Page:

- FROM / TO → Set departure & arrival airport
  - Flight Number → INSERT
  - Cost Index → SET
  - Cruise Level → SET
- 

### Flight Plan Page:

- Insert route (airways / waypoints)
  - Check for discontinuities
  - Insert SID (Standard Instrument Departure)
  - Verify routing
- 

### INIT B Page:

- Block Fuel → INSERT
  - Zero Fuel Weight → INSERT
- 

### Performance Setup:

- V1 / VR / V2 → CALCULATE & INSERT
  - FLEX Temperature → SET (if applicable)
  - Thrust Reduction / Acceleration Altitude → SET
- 

## FMGS Crosscheck

**PM cross-checks all entries:**

- Route correctness
  - Fuel values
  - Performance data
- 

## Flight Instruments Setup

**Both pilots:**

- Set Barometric Reference
  - Set Initial Altitude
  - Set Vertical Display Selector on Above
- 

## Takeoff Briefing (PF)

Must include:

- Runway
  - SID
  - Initial altitude
  - Expected routing
  - Threats & considerations
- 

## Before Start Checklist

Performed when all preparation is complete.

---

# Key Principles

- Always verify MCDU entries
  - Cross-check between PF and PM
  - Avoid rushing the setup
- 

## Philosophy

A correct cockpit preparation ensures:

- Reduced workload during taxi and takeoff
- Fewer errors in flight
- Better situational awareness

A rushed or incomplete setup increases risk significantly.

---

Revision #2

Created 2026-03-23 15:51:34 UTC by Jonas

Updated 2026-03-28 05:30:44 UTC by Jonas