

5. Checklists & Flows

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5.1 Philosophy

Checklists are used to **verify actions**, not to perform them.

All procedures follow the principle:

☐ FLOW → CHECKLIST

- **Flow:** Memory-based actions performed in a logical sequence
 - **Checklist:** Verification that all required items are correctly set
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Core Rule

“The flow sets the aircraft - the checklist verifies it.”

General Rules

- Checklists are performed **by PM**
- PF confirms critical items when required
- No checklist is performed during high workload phases unless required
- Interruptions → checklist must be restarted

5.2 Cockpit Preparation

? PM Flow (Overhead ? Pedestal ? Screens)

- BAT 1 + 2 → ON
 - EXT PWR → ON
 - Fuel Pumps → ON
 - ADIRS (3x) → NAV
 - Electrical Panel → CHECK
 - Hydraulics → CHECK
 - Air Conditioning → SET
 - Anti-Ice → OFF
 - Probe/Window Heat → AUTO
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? PF Flow (MCDU + Instruments)

- MCDU INIT A → COMPLETE
 - Flight Plan → INSERT + CHECK
 - INIT B → INSERT weights/fuel
 - PERF TO → SET speeds & FLEX
 - FCU:
 - Initial Altitude → SET
 - Heading → SET
 - Baro → SET
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? Cockpit Preparation Checklist

- Batteries → ON
- External Power → ON
- ADIRS → NAV
- Fuel Pumps → ON
- MCDU → PROGRAMMED
- ECAM → CHECKED

5.3 Before Start

PM Flow

- Beacon → ON
 - Doors → CLOSED
 - Fuel Pumps → ON
 - APU BLEED → ON
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? PF Flow

- Confirm pushback clearance
 - Brief start sequence
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? Before Start Checklist

- Doors → CLOSED
- Beacon → ON
- APU BLEED → ON
- Fuel Pumps → ON

5.4 After Start

? PM Flow

- ENG MODE → NORM
 - APU BLEED → OFF
 - APU → OFF
 - Anti-Ice → AS REQUIRED
 - Flaps → SET
 - Pitch Trim → SET
-

? PF Flow

- Monitor engine start
 - Verify parameters
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? After Start Checklist

- Engine Mode → NORM
- Flaps → SET
- Trim → SET

5.5 Taxi

?PM Flow

- Flight Controls → CHECK (ECAM)
 - Brake Temp → CHECK
 - Taxi Lights → ON
 - Takeoff Config → VERIFY
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? PF Flow

- Parking Brake → RELEASE
 - Thrust → IDLE / minimal
 - Steering → CONTROLLED
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? Taxi Checklist

- Flight Controls → CHECKED
- Instruments → SET
- Takeoff Briefing → COMPLETE

5.6 Before Takeoff

? PM Flow

- Cabin → READY
 - ECAM → NORMAL
 - Takeoff Config → CHECK
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? PF Flow

- Line-up briefing
 - Final runway verification
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? Before Takeoff Checklist

- Flaps → SET
- Trim → SET
- Cabin → READY

5.7 After Takeoff

? PM Flow

- Gear → UP (on command)
 - Flaps → RETRACT (on schedule)
 - Packs → ON
-

? PF Flow

- Follow FD
 - Monitor climb
-

? After Takeoff Checklist

- Gear → UP
- Flaps → UP
- Packs → ON

5.8 Approach

? PM Flow

- Minimums → SET
 - Nav Aids → SET
 - ECAM → CHECK
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? PF Flow

- Approach Briefing
 - Mode setup
-

? Approach Checklist

- Minimums → SET
- Approach → BRIEFED
- Navigation → SET

5.9 Landing

? PM Flow

- Gear → DOWN
 - Flaps → FULL
 - Speed → CHECK
-

? PF Flow

- Stabilize approach
 - Monitor FD
-

? Landing Checklist

- Gear → DOWN
- Flaps → FULL
- Speed → CHECKED

5.10 After Landing

? PM Flow

- Spoilers → RETRACT
 - Flaps → UP
 - APU → START
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? PF Flow

- Taxi control
 - Vacate runway
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? After Landing Checklist

- Spoilers → RETRACTED
- Flaps → UP
- APU → START

5.11 Shutdown

? PM Flow

- Engines → OFF
 - Beacon → OFF
 - External Power → ON
-

? PF Flow

- Parking Brake → SET
 - Confirm shutdown
-

? Shutdown Checklist

- Engines → OFF
- Beacon → OFF
- External Power → ON

5.12 Key Principles

- Flows must be consistent
 - Checklists must not be skipped
 - PF/PM roles must be respected
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Core Rule

“Discipline in flows creates safety in flight.”

Outcome

- Standardized cockpit workflow
- Reduced workload
- Airline-level operation