

4.5 Climb

Objective

To establish a stable and efficient climb profile after takeoff.

After Takeoff Flow

At acceleration altitude:

PF:

- Reduce pitch attitude
- Select climb profile

PM:

- Monitor speed increase
-

Flap Retraction

- Retract flaps according to speed schedule
 - Ensure aircraft is clean (Flaps 0)
-

Thrust Setting

- Thrust Levers → CL detent
-

Autopilot

- Engage when conditions are met (see 4.4)
-

Standard Procedure

- **Climb Mode → MANAGED**
- **Speed → MANAGED**

The aircraft shall follow:

- FMGS vertical profile
 - SID constraints
 - Pre-programmed speed schedule
-

Exceptions

Selected modes may only be used if:

- **ATC explicitly assigns:**
 - A specific speed
 - A specific vertical rate or altitude constraint
 - **Operational reasons require intervention**, such as:
 - Avoiding traffic
 - Weather deviations
 - Energy management corrections
-

Monitoring (PM)

- Both pilots must ensure:
 - The aircraft follows the intended vertical profile
 - Speed constraints are respected
 - No unintended mode changes occur
-

Passing Transition Altitude

- Set Standard Pressure (STD)

During Climb

- As soon as its safe: Turn off the seat belt sign
 - When passing FL250: Set Vertical Display Selector on Below
-

Key Principles

- “Managed by default – Selected only when required.”
 - Maintain situational awareness
 - Monitor automation continuously
 - Anticipate level-off
-

Revision #4

Created 2026-03-23 15:57:46 UTC by Jonas

Updated 2026-03-28 05:29:26 UTC by Jonas