



FLIGHT PLANNING Before Flight

Background

Planning conducted prior to a flight in a low-stress environment enables you as pilot to establish a safe strategy and successful outcome for your flight. By being proactive, planning ahead and establishing "decision points" for each flight phase you remain in total control as Pilot-in-Command.

In addition to the normal/general items like:

Navigation Log, Flight Weather Briefing, NOTAM review, Mass&Balance, Fuel Calculations (etc.) also consider to add the following topics for your review/consideration of every flight:

Your Flight Mission Objective

What kind of flight are you planning for? (Proficiency) Training, local flight, X-Country, Flightwith Pax, ...?

Flight Focus/Debrief Items

What elements will you focus on during upcoming flight - to debrief in detail? Communications, Altitude/Speed control, use/ reading of checklists, navigation efficiency/accuracy......

Before Flight Strategic Review Items

- QNH altimeter setting
- Temp and Density Altitude
- □ Wind (Direction/Strength, Gust)
- □ Clouds (Ceiling, FEW/SCT/BKN/OVC)
- Runway in use in relation to local area
- □ Traffic circuit/Departure routing
- Emergency Landing fields in case of engine out

- Airspace and Altitude restrictions
- □ Noise abatement procedures

SPEEDS:

- Vrotate
- □ Vx/Vy
- □ Vbest glide
- Vref/Vtarget for approach and landing

Risk Management Considerations for Departure & Emergency Take Off Briefing

Density Altitude

□ What possible impact will this have on your aircraft performance today?

Aircraft Performance (add 30% margin for calibration)

- Review expected take-off/landing performance in relation to current/ landing airport/airfield and weather (wind/temp)
- Review TODR,LDR vs TODA, LDA
- Review possible abort criteria in relation to runway in use/environment

Airfield Specific

 Review airfield diagram specific layout for taxiways, fuel station, obstructions, take-off/ landing sector, noise considerations, emergency landing fields, etc.

Aircraft Specific

- Review any known issues/systems that stand out/need to be taken into account of the aircraft you are going fly, like for instance landing gear, fuel system, avionics, electric trim, etc.
- Note other flight activities ongoing: training flights, gliding, helicopter ops, etc.
- Review possible alternate airfields in case of circumstances/emergencies like runway obstruction/closure at departure airfield



Pilot



Aircraft EnVironment (equipment/technology)



External Factors

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POST FLIGHT DEBRIEF: **Departure/** Take Off

Background

The overall objective is to provide you with elements/topics to structurally evaluate your flight and determine what went well and what needs/can be worked on during a next flight. By honestly evaluating your performance and getting feedback you can keep challenging yourself to stay in control as PIC and/or improve where you find it necessary.

Use elements below to proactively review and rate yourself and/or openly discuss with your instructor/safety pilot/ pax, as applicable.

Don't only focus on what went wrong. What went right during your flight is equally important to provide good learning opportunities and motivation.

The list might not be complete; add any additional items as you deem necessary

Take Off Performed (e.g. Normal, Short-Field, Soft-field, Short Soft-field):

















POST FLIGHT DEBRIEF: Cruise

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Use elements below to proactively review and rate yourself and/or openly discuss with your instructor/safety pilot/ pax, as applicable.

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The list might not be complete; add any additional items as you deem necessary

Circuit training/X-country/VFR/IFR. Relate elements to type of flight









EnVironment







POST FLIGHT DEBRIEF: Approach and Landing

Background

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Use elements below to proactively review and rate yourself and/or openly discuss with your instructor/safety pilot/ pax, as applicable.

Don't only focus on what went wrong. What went right during your flight is equally important to provide good learning opportunities and motivation.

The list might not be complete; add any additional items as you deem necessary

Type of Landing Performed (e.g. Normal, Short-Field, Soft-Field, Go-Around).





Pilot





EnVir





Notes and any other considerations









