

Practical Risk Management For Weather

PAVE Checklist

PAVE your way for a safe flight through the weather. Before you fly, examine your risk factors.

Remember the cumulative effect. Change your plan whenever more than one risk factor is marginal.

Pilot

Physical condition

- Have I used the IMSAFE checklist?

Illness
Medication
Stress
Alcohol
Fatigue, Food & Water
Emotion

For VFR or IFR weather flying

- Am I familiar with the audio panel and nav/com radios?
- Am I proficient in using the autopilot and GPS?
- Have I established personal minimums?

For VFR weather flying

- Do I know how to judge worsening weather?
- Am I skilled at pilotage and dead reckoning?
- Am I prepared to fly IFR when flying at night over unpopulated areas?

For IFR weather flying

- Do I meet the FAA IFR currency requirements?
- Even if I am legal, are my skills up to this weather?

Pilot
Aircraft
Environment
External Pressures

Aircraft

- Does this aircraft have an adequate performance margin to cope with icing and downdrafts?
- Are the avionics suited for this weather?
- Is all the equipment I need for this weather available and functioning properly?

enVironment

- Is the weather within my personal minimums?
- Is there anything suspicious in the weather forecasts?
- Am I prepared to encounter weather worse than forecast?
- Will the weather prevent me from maintaining my alternatives?
- Is the terrain a factor in this flight?

External Pressures

- Have I made provisions in case the trip cannot be completed?
- Have I taken steps to relieve the pressure of arriving at a certain time?
- Am I prepared to manage my own goal oriented behavior?

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CARE Checklist

Use the **CARE** attention scan to manage the changing risk factors in flight.

Manage your workload so that you have time to use the CARE checklist.

Consequences
Alternatives
Reality
External Pressures

Consequences

- Am I thinking: *What is changing? What are the consequences?*
- Is the weather different than forecast?
- Have I checked my groundspeed lately?

Alternatives

- Is the changing weather reducing my good alternatives?
- Where is my best alternate airport?
- Should I land now and expand my circle of alternatives?

Reality

- Have I accepted the fact that my situation has changed?
- Am I in denial?

External Pressures

- Am I managing my own goal-oriented behavior?
- Am I being influenced by time pressure?
- Am I ignoring risk factors in order to reach my destination?

