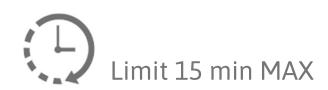


Ref: AC 91-92 - Pilot's Guide to a Preflight Briefing



# **Preflight Briefing**

v24.6





## IMSAFE





- Overview
  - Departure / Routing / Destination
  - Altitudes / Estimated Timeline (ETA, ETE)
- NOTAMS
- Weather / Adverse Conditions
- TFRs / Special Use Airspace
- Alternates / Emergency Airfields
- Takeoff & Landing Distance
- Ops Notes Reviewed





- Tail Number / Callsign
- Maintenance Status
- Hours Verified
- Reservation Dispatched in Flight Circle





- Who is Legal PIC
- Who is Acting PIC
- CFI: User Flight Circle Profile Reviewed / Complete

**REFER TO FLIGHT CIRCLE COMPLIANCE CHECKLIST** 





- Experience
- Passenger Expectations
- Physiological / Mental Concerns

\*As Necessary



### **Programming\***

- GPS Operation
  - RAIM Check / WAAS
- Autopilot
- ADS-B
- Electronic Flight Bag

\*As Necessary



#### **Crew Resource Management**

- Hazard Avoidance / Clearing
- Sterile Flight Deck
- 3-Way Positive Transfer of Controls
- Who has Radio Control





(Briefed by PIC)

- Ground Egress Procedures
- **Physiological** (Airsickness / Dehydration)
- Bird Avoidance
- Radio Failure
- Spatial Disorientation



#### **Risk Assessment**

	1	2	3	4	5	Rating		
Pilot								
Experience (Hrs TT)	> 1500	500-1500	300-500	100-300	< 100		Ref: PHAK	Chap 2 - PAVE Checklist
Recency (90 days)	> 20 Hours	15-20 Hours	10-14 Hours	5-9 Hours	< 5 Hours		C <sup>3</sup>	
Time in Model	> 400 Hours	300-400 Hours	200-300 Hours	100-200 Hours	< 100 Hours			
Currency	VFR + IFR		VFR Only		Non Current			v
Emotional Condition	Excellent	Good	Average	Poor	Unacceptable			
Aircraft								
Fuel Reserves	Exceeds		Meets		None			
TOLD Performance	Within Limits		At Limits		Outside Limits			
Equipment	GPS + ADS-B	GPS	VOR Only	Minimum Req'd	Does Not Meet			
enVironment							Risk Rating	
Airport(s) & Routing	Familiar		Unfamiliar					<b>Risk within normal</b> <b>parameters.</b> Do not take unnecessary risk and examine your own personal minimums.
Weather (+1 hr ETA)	VFR		MVFR	IFR	LIFR		<b>16-33</b> u e	
Airspace	D / E / G		Complex (B/SFAR)					
Runway Condition	Dry / Hard / Long	Dry / Hard / Short	Dry / Soft / Short	Wet / Hard / Short	Wet / Soft / Short			Elevated Risk. Take extra
Lighting	RWY + TWY		RWY Only		None		34-55 or time to plan your flight. Carefully analyze and	
Terrain	Flat / Populated		Flat / Sparce		Mountainous		any 5 rating	mitigate all risks. Delay any flight that exceeds your personal minimums until conditions improve.
External Pressures								
Delays / Diversions	None		Inconvenient		Not Possible			<b>High Risk.</b> Take extra time to plan and mitigate all risks and ensure regulatory compliance. Delay or cancel the flight if you
Alternate Plans	None		Inconvenient		Not Possible		56-80 m   or e   any two c	
Personal Equipment	Emergency Kit		Cell Phone Only		None			
Total Risk Rating →								cannot reduce risks to acceptable levels.



## **Daily Discussion Items – PVT/COM**

Date	System Review	General Knowledge	Emergency Procedures - 1	Emergency Procedures - 2
1	Vacuum	Airport Signs and Markings	Forced Landing > 3000A	Spin Recovery
2	Pitot-Static	Chart Symbology	Engine Fire During Start	Power Loss After T/O < 1000A
3	Electrical	Weather Reports	Electrical Fire In Flight	Electrical Failure
4	Fuel	FAR / AIM	Engine Failure During T/O	Loss of Fuel Pressure
5	Environmental	Nat'l Airspace System	Engine Fire in Flight	High Oil Temp
6	Brakes	Any CRM Topic*	Cleaning Fouled Spark Plugs	Power Loss After T/O >1000A
7	Landing Gear	Performance / Limits	Landing with a Flat Main Tire	Vacuum Failure
8	Propeller	Airworthiness Reqmts	Smoke in Cabin	Loss of Oil Pressure
9	Engine	Illusions / Human Factors	Lost Communications	Alternator Failure
0	Carburetor	Weather Theory	Inadvertent Icing Encounter	Engine Roughness

\*Reference: Playbook Ch 11

PRE SOLO REQUIREMENTS



#### **Daily Discussion Items – IR**

Date	Systems Review	General Knowledge	IR Emergency Procedures
1	Electrical + TC	Airport Signs and Markings	Нурохіа
2	Airspeed Indicator	Chart Symbology	Lost Comms in IMC
3	Vacuum	Weather Reports	Partial Panel Ops
4	Altimeter / VSI	Airman Certification	Visual Illusions
5	Anti / De-Icing / FIKI	Arrival Procedures	Alternator Fail in IMC
6	GPS	Holding	Pitot Static Blockage
7	WAAS	Instrument Appr Procedures	Loss of Situational Awareness
8	ADS-B	Circling	Inadvertent IMC
9	Mag Compass Errors	Airworthiness Reqmts	Inadvertent T-storm Encounter
0	VOR / ILS / DME	Departure Procedures	Inadvertent Icing Encounter