



Private Pilot: Pre-Solo

Stage Check 1

Ground Exam

Date: _____ **Student:** _____

RI: _____ **SCI:** _____

Verify the following items:

- Verify 61.83: Age, English proficiency
- Verify 61.83(b): Knowledge test completed & corrected
- Verify 61.83(c): Logged required flight and ground training
- Aircraft and avionics quizzes completed and corrected
- All required pilot documents

Verify Endorsements:

- TSA
- A.3
- A.4
- A.6 after stage check is satisfactory

Task A: Pilot Qualifications	S/U	
1. Pilot documents required for solo and when can you log PIC?		
2. Current medical class held and its duration?		
3. 14 CFR Part 91.3		
4. ^*Privileges & limitations applicable to a student pilot? (club/FAA)		

Task B: Airworthiness Requirements	S/U	
1. Required Documents? Plane and pilot		
2. Required Inspections?		
3. Who is responsible for determining airworthiness? Maintaining it?		
4. Airworthiness risk management		
5. *INOP Equipment		



Task C: Operation of Systems	S/U	
1. Aircraft Limitations (vspeeds)		
2. Importance of Va		
3. Engine, Fuel, Oil Systems		
4. Leaning and mixture		
5. Electrical and Avionics Systems		
6. *System abnormalities		

Task D: Performance and Limitations	S/U	
1. Review completed TOLD sheet		
2. Fwd vs Aft CG and effects on flight characteristics		
3. Four Forces		
4. ^Why/when does an Airplane stall? What is an aerodynamic stall?		
5. *Stall/Spin recovery		

Task E: Weather Information	S/U	
1. Prog charts and associated weather		
2. AIRMETS/SIGMETs		
3. ^Recognition, causes, and mitigation of LLWS, wake turbulence, and micro-bursts		
4. ^Seasonal considerations: Frost, DA		
5. Student's go/no-go decision and risk management/mitigation		



Task F: Local Area Operations	S/U	
1. Airport signage and markings		
2. *Collision avoidance		
3. ^*Practice areas: Pilotage to and from, solo within 25nm		
4. Lost comms, Light guns, cell phones		
5. *Assess handling of non-standard ATC instructions.		

Task G: National Airspace System	S/U	
1. SUA		
2. ^Local airspace familiarity		
3. Chart Symbology		
4. VFR Wx Mins, special VFR		

Task H: Human Factors	S/U	
1. Review personal minimums sheet		
2. Club policy/limitations for solo flight		
3. ADM/SRM		
4. ^Proficiency vs Currency		
5. PAVE, IMSAFE		



Ground Exam Overall Notes:

Ground Exam Results	Pass	Fail

Stage Check CFI Signature: _____

Student Signature: _____



AFS: Pre-Solo Stage Check

Flight Exam

Date: _____ Student: _____

Recommending CFI: _____ Stage Check CFI: _____

Task A: Preflight Procedures	S/U	
1. Checklist usage		
2. Review of preflight		
3. Cockpit organization and resource mgmt.		
4. ^Runway incursions: Taxi brief		
5. Before takeoff check/runup		
6. ^Takeoff briefing		

Task B: Takeoffs and Landings	S/U	
1. Checklist usage		
2. Normal takeoff and climb		
3. No flap or partial flap landing		
4. Slip-to-land		
5. ^Go Around		
6. Crosswind technique demonstration or verbal discussion		



Task C: Navigation	S/U	
1. Navigation to the practice area		
2. Practice area entry/exit procedures		
3. Communications in the practice areas		
4. Lost Procedures		
5. Use of avionics, EFB		
6. Pilotage, diversion if KAPA is unavailable		

Task D: In Flight Maneuvers	S/U	
1. Pre-maneuver flow/checklist		
2. Straight & Level		
3. Climbs: Speed vs Rate. Importance of added power		
4. Descents: Speed vs Rate. Speed mgmt in a glide.		
5. Turns: Level, Climb, Descent		
6. Slow Flight: MinSpd and any other given speeds. Turns, Climbs, Descents		
7. Stalls On/Off: Full break, straight ahead		
8. Steep turns		
9. GRM		



Task E: Emergency Procedures	S/U	
1. Checklist usage		
2. *Simulated engine power loss: Total, partial, or intermittent		
3. Simulated emergency descent		
4. Simulated misc. abnormalities		
5. Pilotage back to home airport		
6. ^Aircraft securing and chosen off-field landing spot		

Task F: Postflight Procedures	S/U	
1. Checklist usage		
2. Taxi and parking procedures		
3. Thorough post-flight		
4. Securing aircraft		

Flight Exam Overall Notes:

Ground Exam Results	Pass	Fail

Stage Check CFI Signature: _____

Student Signature: _____