

Test Hazard Analysis Worksheet					
Test Title: High Speed Taxi	Hazard Category catastrophic critical marginal negligible	Subjective Probability of Occurrence high probable uncertain remote improbable			
Aircraft/System:					
Hazard: Aircraft departs runway surface					
Cause: Unobserved drift with high nose attitude					
Effect: Aircraft damage; crew injury					
Minimizing Procedures: 1. Maximum wind of 5 knot crosswind 2. Instructor will concentrate on outside references to recognize drift tendencies					
Emergency Procedures: If aircraft departs runway, shut engine(s) off and exit aircraft.					
Risk Level (after minimizing procedures taken into account): High ____ Medium ____ Low <u>X</u>					

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Hazard: Aircraft departs runway surface																																								
Cause: Blown tire																																								
Effect: Aircraft damage; crew injury																																								
Minimizing Procedures: 1. Light braking only during test 2. Demonstration limited to light aircraft only (C-150 or PA-28 preferred) 3. Throttle reduced to idle with no less than 2000' runway remaining																																								
Emergency Procedures: If aircraft departs runway, shut engine(s) down and exit the aircraft.																																								
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Aircraft/System:																																								
Hazard: Tail strike on runway																																								
Cause: Over-rotation while attempting to determine stall angle of attack on runway																																								
Effect: Aircraft damage																																								
Minimizing Procedures: <ol style="list-style-type: none"> 1. Tail strike angle determined prior to test and reference mark placed on windscreen 2. Maximum pitch angle limited to stall warning if wing tufts not used 3. If tufts are used, pitch angle limited to visual stall 																																								
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	Hazard Category	high	probable	uncertain	remote	improbable
Aircraft/System:	catastrophic					
	critical	High				
	marginal			Medium		Low
	negligible					
Hazard: Hard landing after aircraft becomes airborne unexpectedly						
Cause: Pilot concentrating on instruments or pitch angle; unaware of liftoff, chops power for immediate landing						
Effect: Aircraft damage; aircrew injury						
Minimizing Procedures: 1. Before takeoff check completed prior to any high speed taxi test. 2. Takeoff option briefed as possible course of action if aircraft airborne unexpectedly 3. Tower briefed that all high speed taxi tests may result in takeoff 4. If aircraft becomes airborne, aircraft attitude will be held constant while a gradual reduction in power is made						
Emergency Procedures: If airborne unexpectedly, apply full power and establish normal takeoff and climb speeds						
Risk Level (after minimizing procedures taken into account): High ____ Medium ____ Low <u> X </u>						